

Sul Ross State University

MEMBER **THE TEXAS STATE UNIVERSITY SYSTEM™**

2020-2021
Graduate Catalog



Volume 92

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Eagle Pass ▪ 3107 Bob Rogers Drive ▪ Eagle Pass, Texas 78852 ▪ (830) 758-5005

Uvalde ▪ 2623 Garner Field Drive ▪ Uvalde, Texas 78852 ▪ (830) 279-3004

FOREWORD

Sul Ross State University celebrates its current enrollment of over 3,000 students and seeks to provide all students with a variety of courses, services and supports to create a vibrant university experience. This combined course catalog enumerates all of these opportunities that are available for students, whether they are enrolled in Alpine or any of the three off-campus instructional sites: Del Rio, Eagle Pass or Uvalde.

STATEMENT ON EQUAL EDUCATIONAL OPPORTUNITY

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination under any program or activity sponsored by Sul Ross State University, on any basis prohibited by applicable law, including but not limited to, race, color, national origin, religion, sex, age, disability, sexual orientation, or gender identity.

STUDENT RESPONSIBILITY STATEMENT

All students are responsible for knowing the academic regulations stated in this catalog; unfamiliarity does not constitute a valid reason for failure to fulfill them.

ACCREDITATIONS

Sul Ross State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award Associate's, Bachelor's, and Master's Degrees. Contact the Commission on Colleges at 1866 Southern Lane Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Sul Ross State University. The Teacher Education program offered at Sul Ross State University is approved by the Texas Education Agency (TEA). The Nursing Program offered at Uvalde, Eagle Pass, and Del Rio is accredited by the Commission of Collegiate Nursing Education (CCNE).

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NOTICE

The policies, regulations, procedures, and fees in this catalog are subject to change without prior notice, if necessary, to keep Sul Ross State University policies in compliance with State and Federal laws and rules and regulations of the Board of Regents, Texas State University System.

The University reserves the right to change curricula, rules, fees, admission requirements, and other requirements without notice. The provisions of this catalog do not constitute a contract, express or implied, between any applicant, student, faculty member, or any other person and Sul Ross State University.

FALL 2020 - SUMMER 2021

FALL 2020

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|---------------------------------|--|
| August 3, Monday | <ul style="list-style-type: none">• College deans to submit recommendations for associate graduate faculty to the graduate dean• Curriculum changes approved in the Spring are effective fall 2020; update individual web pages |
| August 13-14, Thursday & Friday | <ul style="list-style-type: none">• Texas State University System Board of Regents meeting at Sam Houston State, Conroe, TX |
| August 21, Friday | <ul style="list-style-type: none">• Payment deadline for students who pre-registered, 4 p.m.• Residence Halls: Move-In day, 10 a.m.-4 p.m. by housing assignment• New student orientation for new and transfer students; 4 p.m. on the Fountain Mall |
| August 22, Saturday | <ul style="list-style-type: none">• Residence Halls: Move-In day• Camp Brand 'Em for new and transfer students |
| August 23, Sunday | <ul style="list-style-type: none">• Residence Halls: Move-In day• Regular registration ends• New Student Convocation, 7 p.m. Marshall Auditorium |
| August 24, Monday | <ul style="list-style-type: none">• Newcomer's Luncheon, 12:00 p.m.• First day of classes, 16 week and 1st 8 week term• College and departmental meetings TBA by college/departments• Faculty and Staff Meeting, 3:30 p.m., location TBD• Late registration and schedule changes begin• Residence Halls: 5 p.m. deadline to Move-In for Fall housing assignment |
| August 25, Tuesday | <ul style="list-style-type: none">• Last day for students to register in Education block courses |
| August 26, Wednesday | <ul style="list-style-type: none">• EVP and Provost for Academic Affairs contacts the Promotion and Tenure Review Council about the number of promotions available |
| August 27, Thursday | <ul style="list-style-type: none">• Last day for late registration and schedule changes |
| August 28, Friday | <ul style="list-style-type: none">• Submit thesis to committee chair |
| September 1, Tuesday | <ul style="list-style-type: none">• Last day to drop 1st 8 week course without creating an academic record• Curriculum Change Request form- faculty member to department chair• CATALOG: Dept. pages are available for review in the university catalog share point site (September 1st thru 30th) |
| September 7, Monday | <ul style="list-style-type: none">• Labor Day holiday, no classes |
| September 9, Wednesday | <ul style="list-style-type: none">• Twelfth class day, 16 week term• Last day to drop a 16 week term course without creating an academic record |

September 11, Friday	<ul style="list-style-type: none"> • Curriculum Change Request form- department chair to college dean • Spring schedules due to college deans
September 18, Friday	<ul style="list-style-type: none"> • Last day for students enrolled in Education block courses to drop a course and receive a 'W' • Spring schedules due to the University Registrar • Submit thesis to committee members • Last day to apply for December graduation without a late fee (Del Rio, Eagle Pass and Uvalde campuses only)
September 21, Monday	<ul style="list-style-type: none"> • Curriculum Change Request form - college dean to Curriculum Council chair
September 25, Friday	<ul style="list-style-type: none"> • University as a Community Meal on the Mall (Lawrence Sullivan Ross's birthday is September 27, Sunday, celebrate September 25, Friday) • Last day for students enrolled in 1st 8 week courses to drop a course and receive a 'W'
October 2020	<ul style="list-style-type: none"> • Curriculum Change Request form- Curriculum Council review • CATALOG: Dept. page contents reviewed and edited by the dean's office (October 1st thru 31st)
October 9, Friday	<ul style="list-style-type: none"> • Tenure and promotion review: vitae and dossier to department chair. Dossier to be forwarded to departmental evaluation committee
October 16, Friday	<ul style="list-style-type: none"> • Final exams, 1st 8 week term
October 19, Monday	<ul style="list-style-type: none"> • Final grades for 1st 8 week term students submitted by noon • Mid-term, 16 week term • Classes begin, 2nd 8 week term
October 21, Wednesday	<ul style="list-style-type: none"> • Last day for schedule changes, 2nd 8 week term
October 26, Monday	<ul style="list-style-type: none"> • Last day to drop 2nd 8 week course without creating an academic record
October 30, Friday	<ul style="list-style-type: none"> • Submit signed hard copy and electronic copy of thesis to the Thesis Coordinator in the College of Graduate Studies
November 2, Monday	<ul style="list-style-type: none"> • CATALOG: Dept. reviews the dean's edits and make any additional corrections (November 2nd thru 15th)
November 10, Tuesday	<ul style="list-style-type: none"> • Curriculum Change Request form - Curriculum Council report to Faculty Assembly • Last day for instructor initiated drop for excessive absences. Must reach the college dean's office by 4 p.m. November 10th
November 11, Wednesday	<ul style="list-style-type: none"> • Veterans Day holiday
November 13, Friday	<ul style="list-style-type: none"> • Last day to withdraw from the 16 week course/term with a grade of 'W'. Drops must be processed and in the University Registrar's office by 4 p.m.

	<ul style="list-style-type: none"> • Last day to apply for May graduation without a late fee (all campuses) • Curriculum Change Request form - Curriculum Council approved documents to the EVP and Provost for Academic Affairs • Tenure and promotion review: applications, dossiers and recommendations from the Evaluation Committee chairperson to the college dean
November 16, Monday	<ul style="list-style-type: none"> • Academic Evaluation: Completion of the student appraisal of the faculty (Form FE-2) for Fall 2020 (to be completed 11/16-12/03) • CATALOG: Contents go under final review by the dean's office. This is the final turn around in the catalog revision process (November 16th thru December 10th)
November 19-20, Thursday & Friday	<ul style="list-style-type: none"> • Texas State University System Board of Regents meeting at Lamar University, Beaumont, TX
November 20, Friday	<ul style="list-style-type: none"> • Submit electronic copy of revised thesis to the Thesis Coordinator in the College of Graduate Studies for final approval
November 23, Monday	<ul style="list-style-type: none"> • Last day for students enrolled in 2nd 8 week courses to drop a course and receive a 'W'
November 25-27, Wednesday - Friday	<ul style="list-style-type: none"> • Thanksgiving Day holiday (Begins after the last scheduled class meets on Tuesday, November 24)
November 27, Friday	<ul style="list-style-type: none"> • Submit PDF copy of thesis to ProQuest for review and online submission
November 30, Monday	<ul style="list-style-type: none"> • Remainder of courses will resume remotely (no face to face classes)
December 2020	<ul style="list-style-type: none"> • Curriculum Change Request form - EVP and Provost of Academic Affairs to the President
December 1, Tuesday	<ul style="list-style-type: none"> • College dean to submit recommendation for associate graduate faculty to the graduate dean
December 2, Wednesday	<ul style="list-style-type: none"> • Last class day before finals, 16 week term • Second year non-tenured faculty to be notified if appointment will expire by end of current year
December 3, Thursday	<ul style="list-style-type: none"> • Dead Day, 16 week term
December 4, 7-9, Friday, Monday-Wednesday	<ul style="list-style-type: none"> • Final Examinations, end of term, 16 week term REMOTE DELIVERY
December 9, Wednesday	<ul style="list-style-type: none"> • Final Examinations, end of term, 2nd 8 week term REMOTE DELIVERY
December 10, Thursday	<ul style="list-style-type: none"> • Final grades for graduating students due; grades must be submitted by noon • CATALOG: Provost and University Registrar will review and accept changes (December 10th thru January 31, 2021)
December 11, Friday	<ul style="list-style-type: none"> • Fall Commencement, Pete P. Gallego Center, 7 p.m. (TBD)

- Residence Halls: Close at noon for all non-graduates or extended residents
 - Tenure and promotion review: applications, dossiers and recommendations from the college dean to the College Review Committee
- December 12, Saturday
- Residence Halls: Close at noon for all residents; except director approvals
 - Fall Commencement – International Center for Trade, Eagle Pass, TX., 3:30 pm (TBD)
- December 14, Monday
- Final grades for continuing students due; grades must be submitted by noon

SPRING 2021

- January 8, Friday
- Payment deadline for students who pre-registered, 4 p.m.
 - Residence Halls: New resident Move-In, 10 a.m.-4 p.m.
 - Last day for students to register in Education block courses
- January 9-10, Saturday & Sunday
- Residence Halls: Move-In 10 a.m.-4 p.m.
- January 10, Sunday
- Regular registration ends
- January 11, Monday
- First day of classes, 16 week and 1st 8 week term
 - Newcomer's Luncheon, 12:00pm
 - College and departmental meetings TBA by college/departments
 - Faculty and Staff Meeting, 3:30 p.m. Location TBD
 - Late registration and schedule changes begin
 - Residence Halls: 5 p.m. deadline to Move-In for Spring housing assignment
- January 14, Thursday
- Last day for late registration and schedule changes
- January 18, Monday
- Martin Luther King, Jr. holiday
- January 19, Tuesday
- Last day to drop 1st 8 week course without creating an academic record
- January 22, Friday
- Submit thesis to committee chair
- January 27, Wednesday
- Twelfth class day, 16 week term
 - Last day to drop a 16 week term course without creating an academic record
- January 29, Friday
- Summer and fall class schedules due to the college deans
- February 2021
- Curriculum Changes - President to the Texas State University System Board of Regents Meeting
- February 4, Thursday
- Last day for students enrolled in Education block courses to drop a course and receive a 'W'
 - Academic Evaluation: Annual Report of Teaching/Job Performance, Scholarly/Artistic Activities; Form FE-3 submitted to chairs
- February 5, Friday
- Summer and fall class schedules to the University Registrar

February 11-12, Thursday & Friday	<ul style="list-style-type: none"> • Texas State University System Board of Regents meeting at TBD
February 12, Friday	<ul style="list-style-type: none"> • Annual Report on Teaching/Job Performance; Form FE-3 submitted to the college deans • Tenure and promotion review: Applications, dossiers and recommendations from the college dean and from College Review Committee to the Promotion and Tenure Council • Last day for students enrolled in 1st 8 week courses to drop a course and receive a 'W' • Submit thesis to committee members
March 2021	<ul style="list-style-type: none"> • Curriculum Changes: approved changes to THECB; University Registrar implements changes into banner; changes effective Fall 2021 • CATALOG: fall 2021-spring 2022 catalog made available online
March 5, Friday	<ul style="list-style-type: none"> • Tenure and promotion review: applications, dossiers and recommendations from the Promotion and Tenure Council to the Joint Council on Faculty Affairs • Annual Report on Teaching/Job Performance; submitted to the EVP and Provost for Academic Affairs • Final exams, 1st 8 week term • Spring Break. No Classes.
March 8-12, Monday - Friday	
March 15, Monday	<ul style="list-style-type: none"> • Final grades for 1st 8 week term students submitted by noon • Mid Semester, 16 week term • Classes begin, 2nd eight week term
March 17, Wednesday	<ul style="list-style-type: none"> • Last day for schedule changes, 2nd eight week term
March 22, Monday	<ul style="list-style-type: none"> • Last day to drop 2nd 8 week course without creating an academic record
March 26, Friday	<ul style="list-style-type: none"> • Submit signed hard copy and electronic copy of thesis to the Thesis Coordinator in the College of Graduate Studies • Tenure and promotion review: Applications, dossiers and recommendations from the Joint Council on Faculty Affairs to the EVP and Provost for Academic Affairs
March 29, Monday	<ul style="list-style-type: none"> • Last day for instructor initiated drop for excessive absences. Must reach the college dean's office by 4 p.m. on March 29th
April 1, Thursday	<ul style="list-style-type: none"> • University/Community Meal on the Mall (SRSU Birthday April 3, Saturday, celebrate April 1, Thursday) • Last day to withdraw from the 16 week course/term with grade of 'W'. Drops must be processed and in the University Registrar's Office by 4 p.m. • Last day to apply for August graduation without a late fee • Last day to apply for December graduation without a late fee
April 2, Friday	<ul style="list-style-type: none"> • Good Friday holiday

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| April 5, Monday | • Academic Evaluation: Completion of Student Appraisal of Faculty (Form FE-2) for Spring (to be completed 4/05-5/7) |
| April 8, Thursday | • Tenure and promotion review: applications, dossiers and recommendations from the EVP and Provost for Academic Affairs to the President (recommendations will be included in the May Texas State University System Board of Regents meeting) |
| April 12, Monday | • Last day for students enrolled in 2 nd 8 week courses to drop a course and receive a 'W' |
| April 16, Thursday | • Submit electronic copy of revised thesis to the Thesis Coordinator in the College of Graduate Studies |
| April 19, Monday | • Honors Convocation, 7 p.m., Marshall Auditorium |
| April 23, Friday | • Submit PDF copy of the thesis to ProQuest for review and online submission |
| April 28, Wednesday | • Last class day before finals, 16 week term |
| April 29, Thursday | • Dead day, 16 week term |
| April 30, May 3-5, Friday, Monday - Wednesday | • Final Examinations - end of term, 16 week term |
| May 5, Wednesday | • Final Examinations - end of term, 2nd 8 week term |
| May 7, Friday | • Final grades for graduating students due; grades must be submitted by noon |
| | • Spring Commencement, Pete P. Gallego Center, 7 p.m. |
| | • Residence Halls: Close at noon for non-graduates or extended residents |
| May 8, Saturday | • Residence Halls: Close at noon for everyone except director approvals |
| | • Spring Commencement - Del Rio Civic Center, Del Rio, TX., 3:30 p.m. |
| May 10, Monday | • Final grades for continuing students due; grades must be submitted by noon |
| May 18, Tuesday | • Submit thesis to committee chair |

SUMMER I 2021

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| June 1, Tuesday | • Residence Halls: Summer I students check in to residential halls |
| | • Last day to register without a late fee |
| | • Submit thesis to committee members |
| June 2, Wednesday | • First day of classes |
| | • Late registration and schedule changes begins |
| June 4, Friday | • Last day for late registration and schedule changes |
| June 7, Monday | • Fourth class day |
| | • Last day to register for shortened format courses |
| June 9, Wednesday | • Shortened format classes begin |

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| June 21, Monday | • Last day for instructor initiated drop for excessive absences. Must reach the college dean's office by 4 p.m. on June 21st |
| June 22, Tuesday | • Mid-term |
| June 25, Friday | • Last day to drop a course with a 'W'. Drops must be processed and in the University Registrar's office by 4 p.m. |
| June 29, Tuesday | • Submit signed hard copy and electronic copy of thesis to the Thesis Coordinator in the College of Graduate Studies |
| July 5, Monday | • Independence day holiday |
| July 6, Tuesday | • Final Examinations, end of term |
| | • Summer I students check out of residential halls, by noon |
| July 7, Wednesday | • Final grades are due; grades must be submitted by noon |

SUMMER II 2021

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| July 7, Wednesday | • Summer II students check in to residential halls |
| | • Last day to register without a late fee |
| July 8, Thursday | • First day of classes |
| | • Late registration and schedule changes begins |
| | • Schedule changes begin |
| July 12, Monday | • Last day for late registration and schedule changes |
| July 13, Tuesday | • Fourth class day |
| | • Last day to register for Shortened Format courses |
| July 20, Tuesday | • Submit electronic copy of revised thesis to the Thesis Coordinator in the College of Graduate Studies |
| July 27, Tuesday | • Last day for instructor initiated drop for excessive absences. Must reach the college dean's office by 4 p.m. on July 27 th |
| | • Submit PDF copy of the thesis to ProQuest for review and online submission |
| July 28, Wednesday | • Mid-term |
| August 2, Monday | • Last day to drop a course with a 'W'. Drops must be processed and in the University Registrar's office by 4 p.m. |
| August 9, Monday | • Final Examinations, end of term |
| August 10, Tuesday | • Final grades for graduating students due; grades must be submitted by noon |
| | • Summer II students check out of residential halls, by noon |

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General Academic Regulations
Graduate Students

Sul Ross State University offers graduate programs which enable the student to enrich his or her study in a specialized field. A primary tenet of the graduate program is to build greater breadth and depth of knowledge in the student's chosen field of study. Graduate students receive direct instruction, counseling, and research opportunities from world-class educators and researchers. Each graduate student is assigned a faculty committee to mentor their academic progress.

All graduate students are responsible for familiarizing themselves with the academic regulations stated in this Catalog; *unfamiliarity does not constitute a valid reason for failure to fulfill them.*

Academic Honesty

Academic Forgiveness

Academic Standing

 General

 Academic Good Standing

 Academic Scholastic Probation and Suspension

 Academic Suspension – Reinstatement

 Academic Year

Admissions – Graduate Studies

 Admission – Master's Degree

 Full and Probationary Admission – General

 Full Admission

 Probationary Admission

 Admission as a non-degree seeking student (citizens of the United States)

 Admission – International

 Admission – Transfer

 The General Record Examination (GRE)

 Readmission

Appeals – Student (General)

 Grievances regarding course grades

 Personal Conduct of Faculty

Assessment of Learning Outcomes

Attendance Regulations

 Students

 Faculty

Catalog Year

 Changing Catalog Year

Communication

Contact Information

Continuous Enrollment

Course Policies – General

 Class Size

 Class Attendance

 Final Examinations

 Grading

 Incomplete Graded

 PR Grades

 Withdrew Grades

- Failing Grades
- Grade Point Average
- Grade Changes
- No Grade
- Grade Reports
- Audit
- Course Numbering System
- Cumulative Grade Point Average
- Distance/Online Learning
- Faculty Directed Instruction
 - Online Courses
 - Application of Federal Credit Hour Policy to SRSU Instruction
- Federal Education Rights and Privacy Act (FERPA)
- Grade Reports
- The Graduate Council
- The Graduate Faculty
- Quality of Graduate Work
 - Levelling Coursework
- The Graduate Degree Plan
- The Graduate Committee
- The Thesis
- Graduation – General
- Graduation – Application and Ceremony
- Requirements for a second Master's Degree
- Matriculant Status
- Maximum and Minimum Work
- Maximum time toward degree
- Registration
 - Registration General
 - Registration – Adding Courses for Credit
 - Registration – Auditing Classes
 - Registration – Changing Sections
 - Registration – Dropping Classes
 - Penalty for non-payment
 - Change of Registration – exceptions
 - Schedule Changes
- Statute of Limitations
- Student Handbook
- Student Identification Card
- Term/Semester Grade Point Average
- Transcript of Record
- Transcript Services
- Undergraduate Students in Graduate Courses
- Undergraduate Courses for Graduate Credit
- University Closures
- University Discipline
- Veteran's Education Benefits Recipients
- Withdrawal from the University for a Term

Academic Honesty

The University expects all students to engage in all academic pursuits in a manner beyond reproach and to maintain complete honesty and integrity in academic experiences both in and out of the classroom. The University may initiate disciplinary proceedings against a student accused of any form of academic dishonesty, including but not limited to, cheating on an examination or other academic work, plagiarism, collusion, and the abuse of resource materials.

Academic Dishonesty includes:

1. Copying from another student's test paper, laboratory report, other report, or computer files, data listings, and/or programs, or allowing another student to copy from same.
2. Using, during a test, materials not authorized by the person giving the test.
3. Collaborating, without authorization, with another person during an examination or in preparing academic work.
4. Knowingly, and without authorization, using, buying, selling, stealing, transporting, soliciting, copying, or possessing, in whole or in part, the contents of a non-administered test.
5. Substituting for another student; permitting any other person, or otherwise assisting any other person to substitute for oneself or for another student in the taking of an examination or test or the preparation of academic work to be submitted for academic credit.
6. Bribing another person to obtain a non-administered test or information about a non-administered test.
7. Purchasing or otherwise acquiring and submitting as one's own work any research paper or other writing assignment prepared by an individual or firm. This section does not apply to the typing of a rough and/or final version of an assignment by a professional typist.
8. "Plagiarism" means the appropriation and the unacknowledged incorporation of another's work or idea in one's own written work offered for credit.
9. "Collusion" means the unauthorized collaboration with another person in preparing written work offered for credit.
10. "Abuse of research materials" means the mutilation, destruction, concealment, theft, or alteration of materials provided to assist students in the mastery of course materials.
11. "Academic work" means the preparation of an essay, dissertation, thesis, report, problem, assignment, or other project that the student submits as a course requirement or for a grade.
12. "Falsification of Data" means the representation, claim, or use of research, data, statistics, records, files, results, or information that is falsified, fabricated, fraudulently altered, or otherwise misappropriated or misrepresented.

All academic dishonesty cases may be first considered and reviewed by the faculty member. If the faculty member believes that an academic penalty is necessary, he/she may assign a penalty, but must notify the student of his/her right to appeal to the department chair, the Dean (Alpine) or Associate Provost/Dean (RGC), and eventually to the Executive Vice President and Provost before the imposition of the penalty. At each step in the process, the student shall be entitled to written notice of the offense and/or the administrative decision, an opportunity to

respond, and an impartial disposition as to the merits of his/her case. The decision of the Executive Vice President and Provost shall be final.

In the case of flagrant or repeated violations, the Provost may refer the matter to the Dean of Students for further disciplinary action. No disciplinary action shall become effective against the student until the student has received procedural due process except as provided under Interim Disciplinary Action.

Academic Forgiveness

Graduate students who have changed programs and wish to have grades from their initial program removed from the calculation of their current program's grade point average can apply for forgiveness of those grades.

Once students have completed 12 semester credit hours in the new program with a 3.0 grade point average, they can petition for forgiveness of all grades in the initial program. Those grades remain on the student's transcript, but they will not be used in the calculation of the student's GPA, nor can they be used to satisfy any degree requirement in the new program. To petition for forgiveness of all grades from a former program, the student must obtain written approval from (1) the Advisor, (2) the Chair, (3) the Dean of the appropriate College, and (4) the Dean of Graduate Studies.

If the courses in the initial program were taken ten years prior to the current program, they are out-of-date and will not be used in calculating the GPA, so no petition is necessary.

Academic Standing

General

Scholastic regulations embody the academic standards of a University. The application of the following regulations is directed toward upholding the standards of SRSU - specifically, to impose the requirement of satisfactory academic progress.

The academic regulations set forth the conditions for Academic Good Standing, Academic Probation, and Academic Suspension. These regulations are intended to be consistent with the following objectives:

1. To indicate to the student, at an early date and with regularity, that achievement below the standards required for graduation is regarded as unsatisfactory;
2. To give the student who performs poorly a warning which may prompt him or her to seek timely help from instructors, counselors, or other appropriate sources;
3. To provide the student whose record shows that ultimate success in the University is in doubt with a trial period to prove that he/she is able to make reasonable academic progress;
4. To state the standards and the consequent results of inadequate scholastic performance clearly enough that students, parents, faculty, and administrators can know the academic action (if any) which would follow from a particular academic record.

Students' academic records are reviewed each semester.

Academic Good Standing

A grade point average of 3.0 (B) must be maintained for all graduate coursework attempted. In addition, a 3.0 (B) grade point average must be maintained in the major and minor fields considered separately (if there is a minor). A grade of less than "C" will not be recognized for

graduate credit. Some Programs may have more stringent requirements. Students should contact their Chair for additional information.

Academic/Scholastic Probation and Suspension

A fully admitted graduate student whose grade point average falls below 3.0 will be placed on probation. Failure to remove any grade point deficiencies by the end of the next term will result in suspension from graduate study.

A probationally admitted graduate student is placed on academic probation in the first term of enrollment. Good standing is achieved only after the student earns 12 semester credit hours with a GPA of 3.0 or better. If the grade point average falls below 3.0 at any time during this probationary period, the student is suspended from further graduate study.

Appeals for Academic Suspension - Reinstatement

Suspension for grade point deficiency can be appealed by a fully admitted or probationally admitted student, who petitions for reinstatement. Reinstatement, if granted, results in the student's being placed on probationary status and carries the conditions that grade point deficiencies must be removed and all grades earned in subsequent graduate courses be at least a "B." To be reinstated, the student must obtain written approval from (1) the Department Chair, (2) the Dean of the appropriate College, and (3) the Dean of Graduate Studies.

Academic Year

The academic year of the University consists of two long semesters (fall and spring) and a summer session. Each fall and spring semester consists of fifteen weeks of classes and one week of final examinations. Within each fall and spring semester are courses taught in the first eight weeks only and the second eight weeks only. The summer session is a compressed semester of approximately 10 - 11 weeks (depending on the Julian calendar) divided into two short sessions, each five to six weeks in length.

Admission – Graduate Studies

Admission to Graduate Studies is required of all post-baccalaureate students when enrolling in graduate-level courses at Sul Ross State University. Applications for admission are available through www.applytexas.org. Each applicant will be notified in writing of acceptance or rejection for admission. Students may seek admission to Graduate Studies by applying for admission to a master's degree program or by applying for admission as a non-degree student.

Admission – Master's Degree

A student seeking admission for the purpose of pursuing a master's degree must hold a baccalaureate degree from an institution approved by a nationally recognized accrediting agency. Official transcripts reflecting all college work attempted and degree(s) conferred should be on file in the Center for Enrollment Services or the Office of Admissions and Records at least ten days prior to initial registration as a graduate student. Also, the student must demonstrate by prior academic records or scores on the verbal and quantitative portions of aptitude test of the Graduate Record Examination (GRE), or for students in Business Administration, the Graduate Management Admissions Test (GMAT), a competence to pursue advanced study and research. The Graduate Record Examination or the Graduate Management Admissions Test should be taken early to ensure scores are on file in the Center for Enrollment Services at the time of initial registration. If required, the test must be taken prior to the end of the second, long semester (fall

or spring) after initial enrollment and arrangements made for the scores to be sent to the Center for Enrollment Services. Otherwise, the student may be denied further registration in the graduate program.

Information concerning registration and testing dates for the GRE and GMAT may be obtained from the Coordinator of Career Services and Testing, Sul Ross State University, Alpine, Texas 79832.

Full and Probationary Admission – General

There are two levels of admission to a master's program, full and probationary. Approval of the major department is required for admission at either level. The following criteria will be used in determining the eligibility for admission to the appropriate level but is not a guarantee of admission. Some Programs of Study have limited capacity and all eligible students may not be accepted.

Applicants must submit all required documents required by their Program of Study. Documentation varies by Program. Reference should be made to the various departmental graduate programs in the Catalog for more information.

Following the departmental review, the University will communicate to the applicant the admission status to be granted.

Full Admission- requirements*

1. Have a 2.5 GPA on a 4.0 scale on the last 60 hours prior to the issuance of the bachelor's degree and GRE score of at least 850 (verbal and quantitative) or minimum GMAT score of 400, OR
2. Graduate with a bachelor's degree with a minimum of 3.0 overall GPA OR
3. Hold a master's degree from an accredited college or university and has the approval from the department in which the applicant proposes to work.

*Full admission status does not imply an absence of additional departmental requirements (leveling work not to exceed 12 semester credit hours, higher GRE scores, etc.). Reference should be made to the various departmental graduate programs in the Catalog for more information.

Probationary Admission - requirements*

1. Probationary status may be granted with the approval of the major academic department with the submission of all transcripts; GRE or GMAT scores; and satisfies at least one of the requirements listed above for full admission OR
2. Probationary status may be granted to any student who has not taken the GRE prior to the start of the semester; the GRE must be taken before the end of the semester.

*The academic standing of entering probationary students is "probation." After successful completion of 12 semester credits hours with a GPA of 3.0 or better, the academic standing is updated to "good standing." Please see the Quality of Graduate Work section of this Catalog for more information. The responsibility for monitoring the probationary student's compliance with all conditions of admission (leveling work not to exceed 12 semester credit hours, minimum grades in specific courses, tests, etc.) rests within the department and college. During the entire probationary period, the student is responsible for maintaining close communications with the major department and, as called upon, with the dean/director of the college.

Admission as a non-degree student (citizens of the United States)

Students who are not pursuing a degree, but who are interested in graduate work for professional or personal reasons may be admitted as non-degree student provided they present the following:

1. Application for admission.
2. An official transcript with a baccalaureate degree posted from an accredited institution.
3. Approval of the department chair in the department where course work will be undertaken.

Students who decide to apply for a change of status to pursue master's degree work must meet the established requirements for admission to a degree program. The change of status must be approved by the chair of the major department and the dean/director of the College or division. Students should be aware that, in transferring from non-degree to degree seeking status, no more than 12 semester hours earned prior to admission to degree seeking status can be used to meet the degree requirements of the program.

The Graduate Record Examination is not required of non-degree students if they have maintained a 3.0 in the first 12 semester hours when they decide to apply for a change of status to that of a master's degree student.

Admission – International

International students must meet the standard requirements for admission. In addition, they must file the following items in the Center for Enrollment Services:

1. Evidence of Financial Responsibility. This may be satisfied by an Affidavit of Support (Immigration Service Form 1-134) or a signed statement from a U.S. citizen or foreign national committing the necessary resources in U.S. dollars for student's expenses.
2. Evidence of English language proficiency as demonstrated by any one of the following:
 - a) A TOEFL score of 520; or
 - b) Twenty-four hours of undergraduate work with a 2.0 average at an accredited U.S. college or university, or 12 graduate hours with a 3.0 average at an accredited U.S. college or university; or
 - c) A bachelor's or master's degree from an accredited U.S. college or university; or
 - d) Prospective students may petition the Director of Records and Registration in writing requesting an individual oral assessment of English proficiency. Applicants granted an interview will be notified of the date, time, and location of the interview. The interview panel must deem the applicant's oral English proficiency adequate to successfully complete the program. The interview panel will file the results of the assessment in the Center for Enrollment Services. The student will be notified of the decision in writing.

In addition to the above requirements, students must submit the following:

1. An application fee of \$50.00 in U.S. Currency (non-refundable).
2. A housing deposit of \$200.00 in U.S. Currency (Alpine campus).
3. Proof of Health Insurance and Immunization.

All requirements for admission must be met at least one month prior to the anticipated date of registration.

Admission – Transfer

Credits earned from other institutions are not automatically transferred to Sul Ross State University.

A request for transfer of earned credits must be made to the major advisor before the end of the first term of enrollment. No requests for transfer of credits will be accepted after the end of the first term without written approval of the major advisor and the Dean of the College prior to enrollment at another institution. Graduate students will not be permitted to apply toward the master's degree more than twelve semester credits of transfer work, military service credits, non-collegiate educational experiences, undergraduate courses taken for graduate credit, graduate-level independent study courses, or any combination of these. Such courses must be pertinent to the candidate's program of study.

A student may request transfer of a maximum of twelve semester credit hours in a 36-hour non-thesis program, nine semester credit hours in a 30-hour program, or six semester hours in a 30-hour thesis program from an accredited college or university provided the course work has been approved by the student's major advisor and the Dean of the College. Before courses will be approved for transfer, they must meet the following standards:

1. The grade for each course must be at least a "B."
2. The course must be unmistakably designated as graduate credit on the official transcript.
3. The time limit of six years must not have expired at the projected time of graduation
4. The total number of hours taken at Sul Ross State University and any other institution may not exceed 15 semester credit hours in any one semester in the long term or seven semester credit hours in either summer term, and
5. No more than twelve semester credit hours in any combination of transfer work, undergraduate courses taken for graduate credit, and graduate-level independent study courses from regionally accredited institutions may be credited toward the master's degree in a 36-hour program and no more than nine can be used in a 30-hour non-thesis program.

Exceptions to these provisions may be granted by the dean of the academic college in which the degree program is housed upon request of the academic advisor and department chair.

The Graduate Record Examination (GRE)

Students may be required to complete the GRE before admission to graduate study at Sul Ross State University. The GRE may be taken at any of the testing centers in the United States or abroad. The student may contact the Coordinator of Career Services and Testing for an information bulletin and application for the examination. Regardless of where the test is taken, the student should be certain to indicate that scores are to be sent to the Center for Enrollment Services, Box C-2, Sul Ross State University, Alpine, Texas 79832.

If a student's performance on the examinations is unsatisfactory, the advisor may require remedial or leveling work, the advanced test of the Graduate Record Examinations in the major field, a comprehensive written examination, or such other steps as the advisor recommends. The advisor's recommendations are subject to approval by the Dean of the College. Students should check with their program advisors to determine what tests may be required.

Readmission

Former Sul Ross State University students not enrolled during the previous long semester must apply for readmission. If intervening college work has been taken, official transcripts from each university attended must be submitted.

Appeals – Student (General)

When an extraordinary circumstance compels a student to request an exception to University Policy or Regulations, the student must petition the Office of Academic Affairs for exception.

1. Request for exceptions must be made within one semester following the end of the semester being appealed.
2. Students may not petition for exceptions after graduating.
3. All procedures are confidential, respecting the privacy of the student.
4. Decisions are final.

Grievances Regarding Course Grades or Professional Conduct of Faculty

Note: Student grievances based upon discrimination or exclusion from course activities because of race, color, national origin, religion, sex, age or disability are under the provisions of STUDENT GRIEVANCE PROCEDURES (Student Handbook, the Faculty Handbook, and the Administrative Policy and Procedures Manual).

If a student disputes a course grade which has been reported to the registrar or if a student believes the conduct of an instructor in the instruction and/or administration of a course to be unprofessional, the student should discuss the concern with the instructor of the course. If the student is not satisfied with results of that discussion, the student should make an appointment to discuss the concern with the Chair of the Department. If the concern is not resolved at the department level, the student should meet with the Dean of the College.

If the student is unable to resolve the concern satisfactory through the discussions, the student may file a formal grievance with the Dean of the College. The student grievance must be filed on the Student Grievance of Grade or Student Grievance of Professional Conduct forms. Any grievance regarding a grade or professional conduct must be filed within one year of receiving the grade or of the questioned professional conduct.

Upon receiving the appropriate form, the Dean of the College will transmit the grievance to the faculty member for response. The response from the faculty member will be transmitted to the department chair for review, comment and recommendation and then to the academic dean who either resolves in favor of the aggrieved student or determines that the faculty member's action complied with university policy. The student may appeal the Dean's determination to the Provost. The student may appeal to the President if the student considers the determination of the Provost to be unsatisfactory.

Assessment of Student Learning Outcomes

To meet the requirements of the Southern Association of Colleges and Schools Commission on Colleges accreditation and to provide for continuing academic program development and evaluation, the university must assess academic programs on the basis of student learning outcomes. To assess such outcomes, students may be required to take additional examinations, participate in surveys, and/or provide samples of their work throughout their academic career.

Attendance Regulations

Students

All students are expected to regularly and punctually attend classes in which they are enrolled. Failure to do so may jeopardize a student's scholastic standing and/or financial aid.

Students are responsible for the effect absences have on all forms of evaluating course performance. The student is responsible for arranging the allowed make-up of any missed work.

Faculty

Faculty are required to state, in writing, their expectations regarding class attendance in the syllabus.

Faculty are expected to work with students to allow for completion of classwork and assignments if the student's absence results from his/her required participation in a University-sponsored activity provided that, prior to the absence, the student makes arrangement to complete all missed work.

Students are usually allowed to make up work and/or tests missed because of serious illness, accident, or death in the immediate family. Faculty are required to make accommodations when specified by an ADA Letter, whether the disability is permanent or temporary.

Catalog Year

To earn a Master's degree from Sul Ross State University, a student must complete all requirements for the degree as stated in a particular University Catalog. The student has the choice of (1) graduating under the current catalog, (2) graduating under the catalog in force at the time of first registering as a graduate student at Sul Ross State University, or (3) graduating under the catalog in force for any subsequent year of registration at Sul Ross State University.

Each of these possibilities is subject to the condition that a program leading to the master's degree must be completed within six years from the date of the student's initial enrollment for graduate courses. No graduate credit will be given for courses over six years old.

Although courses over six years old at the time of graduation may not be counted toward the master's degree, certain of these courses may be used to fulfill requirements for teaching certificates and endorsements with the approval of the Director of Teacher Education.

Exceptions to these provisions may be granted by the Dean of the academic college in which the degree program is housed upon request of the academic advisor and department Chair.

Changing Catalog Year

Students will not be allowed to change their Catalog Year for the current term. The current term begins on the first day of classes. Students may change their Catalog Year at any time; however, after the term has begun (the first day of classes), the change of Catalog Year will be made effective for the next available term. All Catalog Year changes must be declared at least one semester prior to the expected graduation term.

Communication

Primary communication at SRSU is through assigned email. Every student is given a SRSU email account. All SRSU email can be auto-forwarded to a personal email account. Important information is regularly sent to students via their SRSU email. All students are expected to become familiar with University policies, deadline dates, and information posted in various publications, on our website, and through informational emails sent to student accounts.

Students should refer to this Catalog, LoboOnline, and the SRSU Homepage for important information regarding registration, graduation application dates, policies/procedures, online payment options, news, and updates from the University community.

Contact Information

Students are responsible for accurately maintaining their demographic contact information via the University's web portal – Lobo Online. The University considers each student's school/SRSU email address as the official, formal contact point. All official university correspondence will be sent to this address. Students should further maintain their physical addresses as there are periodic occasions when students will be contacted via United States Postal Service. The University will consider all correspondence mailed to a student at their email or physical address currently on file to have been received unless it is returned to the sender.

Continuous Enrollment

Sul Ross State University requires students to be enrolled in consecutive terms (Fall and Spring semesters, not Summer) until the completion of the Program of Study and the awarding of the credential. Students not enrolled in a consecutive term must apply for readmission and should not expect to use the facilities or access services offered by SRSU when not enrolled.

Course Policies - General

Class Size

Classes at SRSU may be as small as five and seldom larger than 20 students. Small class size is a great advantage for both students and faculty. Each student is heard, and ideas and opinions are explored. Professors get to know students as individuals and the learning environment is enriched.

Class Attendance

Regular class attendance is important to the attainment of the educational objectives of the University. Therefore, students should attend all classes. Attendance includes being punctual for class and ready to engage with the professor and the day's material. The instructor's policy on class attendance will be explained at the beginning of the semester or term. In accordance with the instructor's policy, the instructor has the right to penalize students who are out of compliance with the class attendance policy.

Authorized/Excused Absences Statement. An absence because of participation in an official University activity is considered to be an authorized/excused absence. While every effort will be made by departments to minimize missed class time of students by careful scheduling of authorized University activities, when a student has to miss a class due to an authorized University activity, it will be the responsibility of the student to notify the instructor of the class in advance. The department responsible for the authorized University activity will also notify instructors through the Student Life Office by providing an excused absence list to the office. Instructors will give students participating in an authorized University activity the opportunity to make up class work, including tests, within a reasonable time and at the convenience of the instructor.

Should an instructor have an attendance policy that allows for the dropping of a student after a certain number of absences, authorized/excused absences will not be counted towards that number of absences. Any student dropped for excessive absences will receive either an "F" or a "W" depending upon the faculty member's discretion.

Distance Education (Web-course) Non-Participation Statement. Policies in effect for on-campus, traditional classroom instruction courses also apply to students enrolled in distance education courses, including Web-based and ITV courses. Non-participation and inactivity may include not logging on to the course, not submitting assignments or participating in other assigned activities as scheduled, not communicating with the instructor by phone or e-mail, and/or not following the instructor's participation guidelines stated in the syllabus.

Religious Holy Days Absences (HB 256 78th Legislature)

In accordance with Texas Education Code 51.911, SRSU shall excuse a student from attending classes or other required activities, including examinations for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. "Religious holy day" means a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20, Tax Code.

Final Examinations

Examinations are scheduled at the end of each term. Exam dates are listed on the Registrar's Office page. Students are expected to take exams at the scheduled times. A student who is absent from an examination without instructor approval may receive a grade of zero for the final examination which could result in a grade of "F" for the course. In case of illness or other unforeseen circumstances that could prevent a student from taking final examinations at the posted time, the student must contact the instructor and make individual arrangements to reschedule in advance of the exam.

Grading

At the end of each semester and each summer term final grades are recorded on the student's permanent record by Office of the Registrar.

Grade	Grade Meanings	Quality Points
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
F0	Failure/Never Attended	0
FX	Failure/Stopped Attending	0
I	Incomplete	Not Computed
CR	Credit	Not Computed
NC	No Credit	Not Computed
NG	No Grade	Not Computed
NR	Not Reported	Not Computed
P	Pass	Not Computed
PR	Progress	Not Computed
W/WX	Withdrew	Not Computed

Incomplete Grades

The grade of "I" is given by the instructor upon consultation with the student. The work to be completed and deadline for completion must be communicated to the Registrar in writing. A

student may have a maximum of one academic year in which to remove an “I” during which time the “I” will not be calculated in the student's grade point average. If the work is not completed by the deadline set by the instructor, the “I” will be converted to an “F” and will be calculated in the student's grade point average for the semester in which the “I” was given.

Normally, an incomplete grade will be awarded only for situations such as illness, family emergencies, or unusual circumstances which prevent a student from completing a course in a semester or summer term. Incomplete grades must be removed prior to graduation.

PR Grades

The grade of “PR” (in progress) will be assigned for students in the second semester thesis course, counseling internship, or practicum courses. Students working on a thesis, internship, or practicum should be continuously enrolled in the appropriate course. Credit will be given upon completion of the thesis or practicum. A grade of “PR” will not be calculated in the student's grade point average.

Withdrew Grades

The grade of “W” is given for courses dropped after the 12th/4th class days through the last day to drop a course with a “W” as published in the University's calendar. Students who wait until the published deadline must have complied with the class attendance policy of this catalog. An instructor is not obligated to recommend a “W” for a class if excessive absences have occurred. Students will not be permitted to drop a course or withdraw from the University after the published deadline.

Failing Grades

The grades “F”, “FX”, and “F0” are all failing grades. The “F” is awarded to students that continue to attend classes throughout the semester yet fail to pass the course. The “FX” is awarded to students that fail due to an unofficial withdrawal (student stops attending class without formally dropping or withdrawing). The “F0” is awarded to students that never attend class.

Symbols Associated with Courses and Grades

Sym.	Purpose	Quality Points
E	Repeated Course	Not Computed
I	Repeated Course – Most Recent Attempt	Computed

Grade Point Average

Sul Ross State University utilizes the four-point grading system. The student's grade point average is determined by dividing the total number of GPA hours into the total number of grade points received. The grade point value for a course is determined by multiplying the number of credit hours by the quality point value for the grade earned. For example, grade points earned for “B” in a three semester credit hour course is 9 (3 credit hours x 3 quality points.) GPA hours are the hours for which a letter grade is earned (A, B, C, D, F), excluding repeated courses and developmental courses.

Grade Changes

An individual course grade may be changed when the involved faculty member certifies to the Registrar that an error was made in the original grade. The grade change must be approved by

the department chair and appropriate academic dean. Grade changes must be submitted before the end of the next long semester after the grade was issued.

No Grade

Students who do not desire college credit for a course may elect to take the course under the designation "**NG**" (no grade). To take a course under the "**NG**" designation, a student must complete the NG Grade Option form and submit to the Center for Enrollment Services during registration or prior to the 12th class day. The no grade option is intended primarily for non-degree students who wish to improve their personal knowledge of a subject without receiving college credit. Students choosing the "**NG**" designation pay the same tuition and fees as students taking the course for credit and consequently are entitled to participate in all class activities and to receive the same student services available to other students.

Grade Reports

Students can access their grades through Self-Service as soon as they are posted by faculty and officially verified by the Registrar's Office.

Course Numbering System

The four-digit numbering system is based on the following criteria:

- The level of the courses is identified by the first digit as follows: freshman, 1; sophomore, 2; junior, 3; senior, 4; and graduate, 5-7.
- The semester credit hour is identified by the second digit.
- University and/or departmental codes are identified by the last two digits.

Course titles in the academic programs section of this Catalog are followed by two numbers in parentheses.

- The first number refers to the number of lecture contact hours per week;
- The second refers to the number of laboratory contact hours per week. For example, (3-2) indicates three contact hours of lecture and two contact hours of laboratory each week. Lecture contact hours are the hours per week students are required to spend in contact with faculty in a lecture setting, e.g., class, conference, seminar, individual instruction, private lesson, thesis or dissertation discussion, or independent study. Laboratory contact hours are the number of hours per week that students are required to spend in contact with faculty in an experiential situation, e.g., laboratory clinical, practicum, internship, or student teaching.

Cumulative Grade Point Average

A student's Cumulative Grade Point Average (CGPA) is calculated by dividing the total number of quality points earned by the total number of GPA hours.

Distance/Online Learning

Distance Learning is a formal educational process in which the majority of instruction (interaction between instructors and students) occurs when students and instructors are not in the same physical location. Distance Learning courses may employ the internet, broadcast, audio, video, or recordings. Instruction may be asynchronous or synchronous.

Asynchronous Learning uses online learning resources to facilitate instruction outside the constraints of time and location, meaning students may take courses to accommodate their

busy schedules. Asynchronous course content at SRSU is available through Blackboard, a course management system (CMS). Online degree programs and courses are generally asynchronous.

Synchronous Learning refers to instruction that occurs at a designated class time through synchronous tools such as Blackboard, Adobe Connect, WebEx, Zoom, and Skype. Synchronous instruction requires students to attend online classes on a regular schedule.

To protect the integrity of its educational courses and programs, the University takes measures to ensure a student awarded academic credit is the same student who successfully completes course requirements. Students enrolled in any distance learning course may be required to participate in authentication methods such as a) secure login and pass code, b) proctored examinations, or c) new or other technologies and practices that are effective in verifying student identification. There may be additional charges associated with proctored examinations or other verification processes. If applicable, this authentication requirement and associated fees will be clearly stated on the course syllabus or registration materials.

Faculty-Directed Instruction

Direct instruction is defined as faculty lead or assigned activities that lead to student learning. This may include but is not limited to traditional lecture, facilitating seminars, giving feedback on individual or group projects, reflection/feedback of student work, feedback on group work, individual or group project feedback/facilitation, reviewing drafts of papers, or projects and other activities that engage the students in learning the material. This description will be noted in the course syllabus.

Online Courses

All distance education courses (i.e. online, hybrid, blended) align with the credit hour policies and definitions above stated. Distance education course learning objectives, assignments, and assessments are comparable to in-seat courses and require at least as many hours of study and provide the same rigor and, thus, result in the same credit hours awarded upon completion.

Application of Federal Credit-Hour Policy to SRSU Instruction

Accelerated Sessions: Courses offered within the standard semester in which the credit hours offered are the same as standard semester courses. The content and substantive learning outcomes are the same. These courses have the required 2250 contact minutes, and/or meet in hybrid or online format.

Lecture/Seminar: Course focuses on principles, concepts or ideas, lecture, discussion, and demonstration. A semester credit hour is earned for a minimum of fifteen, 50-minute sessions of direct faculty instruction and a minimum of two hours of student preparation time outside of class per week throughout the semester. A typical three-credit hour course meets for three, 50-minute sessions or two, 75-minute sessions a week for at least fifteen weeks. Most lecture and seminar courses are awarded 3 credits.

Laboratory: Practical application courses where the major focus includes “hands on” experience to support student learning (use of equipment, activities, tools, machines generally found in a laboratory). 1- 2 Laboratory credits represents a minimum of 1 hour per week of lecture or discussion plus a minimum of 2 – 4 hours of scheduled supervised or independent laboratory work.

Internship/Field Experience: Courses developed for independent learning and the development and application of job related or practical skills in a particular discipline. These courses allow for observation, participation, and fieldwork, and are generally offered off

campus. Internship time includes a combination of supervised time by approved experts outside the university, student assignments, and time supervised by a university instructor. A 3 credit internship equals a minimum of 150 hours.

Practicum/Student Teaching: Courses developed for independent learning and the development and application of job related or practical skills in a particular discipline. These courses allow for observation, participation, client evaluation, fieldwork, and are offered off campus. Internship time includes a combination of supervised time by approved experts outside the university, student assignments, and time supervised by a university instructor. Practicum/Student Teaching hours comply with professional accreditation (ACEN/NCATE requirements).

Clinical Placement: Supervised experiences where students are afforded an opportunity to apply skills and techniques acquired from assessment and intervention-oriented course material. The number of hours varies by academic program based on clinical placement, accreditation requirements, site hour requirements, and student assignments.

Independent Study: Courses that permit a student to study a subject or topic in considerable depth beyond the scope of a regular course. Students meet periodically, as agreed upon with the faculty member for the duration of the course. University faculty provides guidance, criticism, and review of the student's work. Students demonstrate competency through the completion of a final assessment either by submitting a final paper, project, or portfolio, etc. as required by the faculty member. Credit hours are assigned based on the amount of activity associated with the course, faculty supervision, and amount of student outside work. Credits conform to the standard minimum of 50 minutes of student work per credit hour, per week, for the course of the term or the semester. For a 15-week semester, this would be equal to 112.50 hours for a 3-credit independent study.

Hybrid: A course that is composed of both online learning and classroom learning to meet the learning objectives of the course is considered hybrid. In a hybrid course, approximately half of the course is scheduled as face-to-face, and 49% or less of the course is to be scheduled as online. For a three-credit 15-week course, up to 76.50 minutes (1.275 hours) a week are scheduled face-to-face and up to 73.50 minutes (1.225 hours) per a week are scheduled online equaling a total of 150 minutes of instruction per week.

Online: Approved online courses must demonstrate instruction and student learning through interactive methods to include tutorials, group discussions, virtual study/project groups, discussion boards, chat rooms, etc. Credits hours assigned to a course delivered online must equal the number of credit hour equivalency for the same course delivered face-to-face. Quality Matters standards for the design and delivery of online courses are used in online course development and faculty who teach online courses have been trained in online teaching pedagogy through quality matters.

Family Educational Rights and Privacy Act (FERPA)

Sul Ross State University has adopted institutional procedures in compliance with The Family Educational Rights and Privacy Act of 1974 (FERPA), assuring the right of a student to review his or her educational records upon request. For more information, please inquire at the Center for Enrollment Services in Alpine or the Assistant Provost and Dean in Uvalde 830-279-3032, or the Director of Admissions and Records in Eagle Pass 830-758-5006.

Educational Records Defined

Education records are defined by FERPA 34 CFR 99.3 as follows:

- (a) Educational records includes those records that are:
- (1) Directly related to a student; and
 - (2) Maintained by an educational agency or institution or by a party acting for the agency or institution.
- (b) Educational records do not include:
- (1) Records that are kept in the sole possession of the maker, are used only as a personal memory aid, and are not accessible or revealed to any other person except a temporary substitute for the maker of the record.
 - (2) Records of the law enforcement unit of an educational agency or institution, subject to the provisions of § 99.8.
 - (3)(I) Records relating to an individual who is employed by an educational agency or institution, that:
 - (A) Are made and maintained in the normal course of business;
 - (B) Relate exclusively to the individual in that individual's capacity as an employee; and
 - (C) Are not available for use for any other purpose.
 - (3)(II) Records relating to an individual in attendance at the agency or institution who is employed as a result of his or her status as a student are education records and not excepted under paragraph (b)(3)(i) of this definition.
 - (4) Records on a student who is 18 years of age or older, or is attending an institution of postsecondary education, that are:
 - (i) Made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in his or her professional capacity or assisting in a paraprofessional capacity;
 - (ii) Made, maintained, or used only in connection with treatment of the student; and
 - (iii) Disclosed only to individuals providing the treatment. For the purpose of this definition, "treatment" does not include remedial educational activities or activities that are part of the program of instruction at the agency or institution; and
 - (5) Records created or received by an educational agency or institution after an individual is no longer a student in attendance and that are not directly related to the individual's attendance as a student.
 - (6) Grades on peer-graded papers before they are collected and recorded by a teacher.
- (Authority: 20 U.S.C. 1232g(a)(4))

Confidentiality of Educational Records

Sul Ross State University has adopted procedures in compliance with The Family Educational Rights and Privacy Act of 1974. The Act provides students the right to review their educational records upon request. To preserve strict confidentiality of records, the University does not permit access to or release of educational records or personal information, other than directory information, or without the written consent of the student.

Exceptions to this restriction are limited to the following:

- Judicial subpoena of records, upon condition that the University makes a reasonable effort to notify the student in advance of the release of records.
- Emergency situations, if knowledge of personal information is necessary to protect the health and safety of a student or other person(s).

Directory information is defined as:

Student's name, permanent address and telephone number, Sul Ross email address, age, major field of study, dates of attendance, classification, enrollment status (full-time or part-time), participation in officially recognized activities and sports, weight and height of members of athletic teams, degrees, honors, and awards received (including University scholarships), and the most recent educational agency or institution attended.

Students may request that the University not release directory information by completing a Request for Non-Disclosure of Directory Information form. For more information regarding your privacy rights, contact the Center for Enrollment Services or the Office of Admissions and Records in Eagle Pass 830-758-5006.

Gramm-Leach-Bliley Act

In accordance with the Gramm-Leach-Bliley Act (GLB Act), Public law 106-102 (1999), Sul Ross State University protects the private non-public information of students and employees.

SRSU collects information such as:

- Name Gender
- Social Security Number
- Financial Status
- Date and location of birth
- Salary History
- Driver's License Numbers

SRSU's policy is to identify and safeguard this information with the appropriate procedures to insure compliance with the GLB Act. SRSU manages private non-public information in accordance with all applicable state and federal guidelines relating to use, disclosure and retention of private non-public information.

Grade Reports

The University reports grades at the end of each semester for all students. Only the grades reported at the end of the semester (final grades) are used in the computation of the student's Grade Point Averages and Academic Standing. Mid-term grades may be given and are simply an indication of a student's progress.

The University does not mail final grade reports. Students may access their grades through Lobo Online.

The Graduate Council

The Graduate Council consists of department chairs or representatives of departments with graduate programs in Alpine and off-site campuses. The Council serves as an advisory group to the Dean of Graduate Studies, who chairs the Council and implements its policy recommendations or submits those recommendations to the Provost for approval by the Executive Committee. The principal responsibilities of the Council are as follows:

- To serve in an advisory capacity for recommending new degree and certification programs, admissions and graduation policies, and policies to ensure high quality graduate programs throughout the University.
- To establish and review criteria for membership on the graduate faculty
- To make recommendations on matters of institutional effectiveness relating to graduate studies, including adherence to standards of the university as printed in the Catalog and to the accreditation criteria of the Southern Association of Colleges and Schools.
- To recommend policies on professional development of the graduate faculty.

The Graduate Faculty

All graduate courses taught at Sul Ross State University are taught by members of the graduate faculty. The graduate faculty will impart the skills and methodology of scholarship and the art of critical inquiry to the student. This is accomplished in seminars, through graduate research, by means of internships and practicums, and in thesis or major project undertakings.

Members of the graduate faculty will have a terminal degree or equivalent in their discipline and exhibit scholarly excellence through research, artistic creativity, or other appropriate functions related to the goals of graduate programs.

Quality of Graduate Work

Leveling Work

"Leveling" work, undergraduate courses taken to remove deficiencies in the student's field of study, will not be counted in the graduate-level grade point average, but the student is expected to exhibit the same proficiency in this area as in the graduate-level courses.

Any courses not specifically identified within a student's Program of Study are not eligible for financial aid. Students should contact their Advisor to determine the best approach to satisfy leveling coursework. Students will not be allowed to enroll into more than 12 hours of levelling coursework.

A graduate student admitted under academic probation whose grade point average falls below 3.0 will be suspended from further graduate study.

The Graduate Degree Plan

Official degree plans are maintained in Degree Works, a degree audit system that allows students and advisors to maintain an electronic degree plan that is automatically updated as requirements are met. Any change in the official plan (substitutions, waivers) will be permitted only on the basis of reasonable cause. All changes must be approved by the advisor, department chair, and the Dean of the College. Any transfer work to be applied to degree requirements must comply with requirements specified under "transfer work". If professional certification is desired, the student must also have the approval of the Director of Teacher Education.

The Graduate Committee

The student and the major advisor should establish a graduate committee following these criteria:

1. The committee should be composed of no fewer than three members, at least two representing the major department. One member may be from another department or a professional from outside the University in an appropriate discipline.
2. Faculty members must be members of the Graduate Faculty.
3. External members must meet the established requirements for membership to the Graduate Faculty or the professional equivalents.

The Thesis

Students who are required to write a thesis in a Master of Arts, Master of Science, or Master of Business Administration program are required to follow the indicated procedures.

1. The committee shall be composed of no fewer than three members, at least two representing the major department.
2. A graduate student following a degree plan, which requires a thesis, must be registered during any semester or summer term in which assistance is provided by the committee members or when the library or other research facilities of Sul Ross State University are used. All graduate students must be enrolled when the thesis is submitted to the Office of Graduate Studies and accepted for graduation.
3. The thesis must be submitted to the committee chair and the thesis committee early in the semester that the student plans to graduate. Once the student has made any revisions specified by the chair and the committee, the final copy of the thesis should be prepared and the thesis defense scheduled. The College of Graduate Studies will provide a timeline each semester indicating the dates by which the thesis must be submitted to all parties.
4. A public oral defense of the thesis is required of all candidates prior to the submission of the final thesis to the College of Graduate Studies. Announcement of the defense must be posted in the major department, the appropriate College office, the College of Graduate Studies, and the office of the Provost and Vice President for Academic and Student Affairs at least one week prior to the defense. Following a successful defense, committee members will sign the approval page of the thesis.
5. The final copy of the thesis and the signed approval page must be submitted to the Office of Graduate Studies. The Graduate Thesis Coordinator reviews the thesis for required formatting, per University standards. Once the student has made any required format changes and the thesis has been approved by the Dean of Graduate Studies, the thesis can be uploaded to ProQuest.
6. The Office of Graduate Studies will assist the student in formatting an electronic copy of the thesis for ProQuest, following the guidelines using the ProQuest website. The student will pay a standard fee of \$100 (or ProQuest's current charges), which pays for binding four copies of the thesis (two for the University library, one for the major department, and one for the student). A portion of this fee ensures the inclusion of the full text of the thesis in ProQuest's subscription database, ProQuest Dissertations & Theses Database (PQDT). Any additional copies are at the student's discretion.
7. Only when the thesis has been approved and submitted to ProQuest will the student earn a final grade in the thesis defense. The approval of the Dean of the Academic College and the Graduate College is required before a grade may be submitted by the student's advisor.

Graduation - General

All candidates for the master's degree must pass a comprehensive examination or portfolio defense, either oral or written or both as specified by the major department. This examination may be scheduled through the major advisor after the student has completed at least twenty-four (24) semester hours of graduate credit.

Students failing the comprehensive examination will be given an opportunity to retake the examination and meet other stipulations established by the committee or department. A third and final attempt will be allowed with the approval of the Dean of the College. The results of each attempted examination must be filed in the Dean of the College's Office. All students must

be enrolled in each term that the comprehensive exam is attempted and must be enrolled in the term they graduate.

Before a candidate can be cleared for graduation, a passing grade on the examination must be filed in the Dean of the College's Office at least ten days before the commencement at which the degree is to be conferred.

Graduation – Ceremony

The University awards degrees in May, August and December. Students must complete all degree requirements and apply for graduation by the published due date. Students will not be allowed to participate in the graduation ceremony prior to completion of degree requirements.

Graduation - Application

Alpine: Applications to graduate must be submitted to the Registrar. Forms are available online at www.sulross.edu/registrar. A student is expected to submit an application for graduation by the application deadline or before the final semester of enrollment and pay applicable fees. Students who are not able to complete degree requirements as planned will resubmit the application during the semester or summer term in which they expect to graduate. The University Calendar at the front of this Catalog should be consulted for the graduation application deadlines.

RGC: Forms may be obtained from the Dean's office of Rio Grande College or any of the Business Services offices at any of the three sites or online under Forms and Downloads. A diploma fee of \$30.00 is required. A student is expected to submit an application for graduation during the semester preceding the final semester of enrollment. Students who are not able to complete degree requirements as planned will re-submit the application during the semester or summer term at the end of which they expect to graduate. Applications which must be re-submitted require a \$5.00 diploma insert fee. The University Calendar at the front of this catalog should be consulted for a specific deadline for applying to graduate. Students applying after the posted deadline for application in the Academic Calendar must also pay a \$25.00 late application fee.

Commencement

Commencement ceremonies for the awarding of degrees to candidates are held at the end of the spring semester and at the end of the fall semester on the dates listed in the University Calendar. Students graduating in August may participate the December commencement exercise. Graduates are expected to participate in commencement. Information and instructions concerning commencement will be e-mailed to each candidate prior to graduation. Please see the Graduation and Commencement page for additional details.

Requirements for a Second Master's Degree

Subject to the approval of the Dean of the College and the department Chair, a student holding a valid master's degree from an accredited graduate institution within the past ten years may apply certain courses which were a part of the first master's degree toward a second master's degree. Generally, these previously applied semester hours will be applied toward a minor or related field of study. The number of semester hours so permitted will be:

- a) For thirty-six semester hour programs, no more than twelve semester hours of approved courses with no grade of less than "B" in each, including all extension and transfer work; or
- b) For thirty semester-hour programs, no more than nine semester hours of approved courses with no grade less than a "B" in each, including all extension and transfer work.
- c) All remaining courses necessary to complete the second master's degree must be credit courses at Sul Ross State University as this provision is subject to the rules governing the maximum amount of transfer and extension work which may be applied toward any master's degree. A grade point average of 3.0 must be maintained in these courses, exclusive of the work accepted in a and b above.

The second master's degree will be subject to the general rules governing master's degrees except as stated above.

Matriculant Status

A Matriculant is a student who has been officially admitted by the University as a candidate for an academic credential. Matriculants are guaranteed SRSU will provide the courses they are required to fulfill the requirements for the credential. In order to maintain matriculant status a student must complete academic coursework. The Catalog (Catalog Year) in effect when a student matriculates contains the policies and requirements under which the student must satisfy graduate.

Maximum and Minimum Work

Regular session:

The graduate load shall not exceed fifteen (15) semester credit hours per semester.

Summer session:

The graduate load shall not exceed 12 total hours with six (6) semester credit hours per module in the summer session.

Graduate assistants:

A graduate student employed as a graduate assistant may carry a combined course/work load of no more than 32 clock hours per week.

Full-time student:

Any graduate student who registers for nine (9) or more semester credits in the University during a long semester is considered a full-time student.

Any graduate student who registers for a total of six (6) credits in the summer term is considered a full-time student.

For students on assistantship, refer to the Administrative Policy Manual for student employment eligibility.

Maximum time towards degree on Catalog

The maximal period of time for which the provisions of any Catalog may be considered valid is 6 years. Students who began a degree program six or more years prior to the date of their anticipated graduation must consult their academic dean to determine which Catalog must be followed.

From the time of successful completion of the Comprehensive Examination and/or Oral Defense, students are allowed a maximum of one calendar year to successfully complete their thesis and submit to ProQuest.

Registration

Registration - General

New students plan their courses and register in consultation with an academic advisor prior to the beginning of their first semester.

A student's SRSU email account is the primary vehicle for communicating administrative or transactional information to students. Registration must be performed online via the student portal – Lobo Online.

Tuition and Fees must be paid. A complete bill is available to each student via Lobo Online. It is imperative students check their SRSU email regularly for reminders regarding tuition and fee payment deadlines or other information regarding dates for payment, registration, drop/add, withdrawal, or graduation. Payment of tuition and fees is due approximately one week before classes begin each term. SRSU offers multiple payment plans and students are encouraged to contact the Business Office to discuss options.

No one may register/enroll in any enrollment period after the official registration period indicated in the University Calendar. No student will be permitted to remain in class unless the instructor has received evidence of proper registration (which includes payment).

Registration - Adding Courses for Credit

Courses may be added for credit only during Registration (Drop/Add) period for a given term. Students are required to monitor the official University Academic Calendar for all dates surrounding registration changes and charges associated with these changes.

Registration - Auditing Classes

Regularly enrolled students at SRSU may audit a class by obtaining written permission from the Chair of the Department in which the course is taught and the Dean of the College in which they are enrolled. The fee for auditing a course is \$50 per credit.

Once a student has audited a course, they will not receive university academic credit by any means of advanced standing, examination, or advanced placement on previously audited work. Students are allowed to enroll and receive academic credit for previously audited work by enrolling in the course for academic credit.

Registration - Dropping Courses

Courses may be "dropped" during the Registration, Drop/Add period for a given term. Students are required to monitor the official Academic Calendar regarding scheduling dates and their particular access to registration via their Lobo Online portal. Students should be aware there are differing dates and associated fees for registration actions (adding vs. dropping). Please consult The Catalog for charges associated with dropping and adding courses.

Students should be aware there could be financial aid implications for dropping a course. Students are encouraged to contact the Office of Financial Aid before dropping courses.

Students should be aware of course rotations and dropping a course could impact their ability to graduate within their desired timeframe.

Students will not be allowed to drop a course after the published end date. Students who fail to drop courses by the published final date for such action will be retained on the class rolls even though they may be absent for the remainder of the semester.

A student may be dropped, at the discretion of the Dean of the College, from any course for which the student is ineligible.

Failure to attend class does not constitute a course drop. Withdrawn courses reduce a student's enrolled hours, but not the student's financial obligation (see section on Withdrawal from the University).

Penalty for Non-Payment of Tuition and Fees

Students who do not complete payment of tuition and fees by the date specified each semester may be withdrawn from the class at the discretion of the Business Office. Non-payment is not a means of dropping a class. Re-registration is possible before class begins or during the Drop/Add period, on a space available basis, with payment of an additional registration fee.

Change of Registration - exceptions

Changes in registration/enrollment must be made before the end of the Drop/Add Period. Once the Drop/Add Period is complete, students may not add a course or change sections of the same course.

To withdraw from a course after the Drop/Add Period, the student must do so by completing a Course Withdrawal Form. The completed form is filed with the Registrar's Office. The deadline for withdrawing from a course is published in the academic calendar. Students who stop attending class, and do not officially withdraw, will be assigned a grade of "FX" and are financially responsible for the full tuition charged for the course.

Schedule Changes

Courses may be added during the regular and late registration periods for the term. Courses may be dropped through the last day to drop a course. Courses dropped through the official Census date for the term do not appear on the student's permanent record. Courses dropped after the official census date for the term through the last day to drop a course will be assigned a grade of "W". No courses may be dropped after the published last day to drop or withdraw.

Dropping all classes on or after the first day of a term is considered a withdrawal. An official withdrawal form must be completed and submitted to the Center for Enrollment Services in Alpine or the Office of Admissions and Records, RGC.

Withdrawal prior to the official census date for the term will result in no academic record for the term. A withdrawal after the official census date for the term through the last day to withdraw will result in the creation of an academic record; all classes will be reported with a grade of "W". Requests for withdrawal will not be processed after the published last day to withdraw.

Schedule change and withdrawal forms be found online at: www.sulross.edu/registrar.

Dates for registration periods, official census dates, and last day to drop or withdraw are published on the University's calendar at www.sulross.edu. The refund policy for dropped courses and withdrawals may be found in this catalog and online at www.sulross.edu.

Statute of Limitations

In the absence of any designated time limits in documents on policies or procedures, the University imposes a time limit of one year for the initiation of any request for an exception to its rules or regulations.

Student Handbook

The Sul Ross State University Student Handbook is an official student policy. The SRSU Student Handbook describes what is expected of a student with respect to behavior and conduct in the SRSU community and outlines the procedures to be followed when these expectations are not met. The Student Handbook includes the Code of Student Conduct as well as other rules, regulations, and policies governing student life.

Student Identification Card

Each student is issued a permanent identification card, including a photograph. This card will be used for the entire duration of the student's enrollment at the University. The card is required for borrowing library books, cashing personal checks, admittance to athletic and social events, selling used textbooks, Testing Services, meal plans, entrance into university buildings – including residence halls, and other official purposes. Fraudulent use of the ID card is a violation of the Honor Code and will result in disciplinary action. The card is issued to the individual student and must not be loaned to another person for any reason. Any University official having just cause has the right to request that a student show the identification card for identification purposes. Upon such a request by a University official, the student is required to comply.

Term/Semester Grade Point Average

A student's Semester/Term Grade Point Average (TGPA) is calculated by dividing the total number of quality points earned in the semester by the total number of GPA hours in the semester.

Transcript of Record

The official permanent academic records for all SRSU students are in the custody of the Registrar's Office. Release of these records is protected by the "Family Educational Rights and Privacy Act" (FERPA). Transcripts of the academic record may be secured by the individual personally or will be released on the student's written authorization. Transcripts cannot be issued until the student or former student has settled all financial obligations to the University and has submitted all required transcripts from other colleges attended.

Transcript Services

Online Ordering Services

Printed hard copy transcripts, electronic transcripts, and FedEx delivery service are all available online through Credentials Solutions, Inc.

If you have your LoboOnLine credentials, you can authenticate by logging in to LoboOnLine. This allows you to avoid completing the Signature Authorization form:

1. Log into LoboOnLine.
2. Select Student tab.
3. Select Student Records.
4. Select the Order Official Transcript link - this redirects you to Credentials Solutions, Inc.
6. Follow the provided instructions to complete your order.

If you are not able to authenticate through LoboOnLine (Alumni):

1. [Use Credentials Solutions, Inc.](#) to place your order.

2. Follow the provided instructions to complete your order.
3. Use a mouse or touch screen to complete the authorization process.

When placing an order online, we recommend using Edge, Mozilla Firefox, or Safari web browsers. The pop-up blocker may need to be disabled in order to access the order page.

Federal Express delivery is only available when placing an online order. E-Transcript and First Class mail delivery is also available. Credit or debit cards are accepted for payment.

Free transcripts

A Publications and Records fees was approved and assessed to all students beginning in the fall 2004 term. If you attended Sul Ross fall 2004 or later, you paid this fee and are entitled to two free paper transcripts per term in which the fee was paid. You must request your free transcript(s) in writing using the [paper transcript request form](#). There are no “rush” options available for free paper transcripts. Processing and delivery via USPS may take up to two weeks.

Free paper transcripts are printed in either Alpine or Eagle Pass. Paper transcripts can be given to the student (valid photo ID required) or delivered by First Class mail. Federal Express delivery is only available when placing an online order through Credentials Solutions, Inc. Students are responsible for providing the correct delivery address.

In Person Requests (valid photo ID required)

Undergraduate Students in Graduate Courses

Undergraduate students with good academic standing may enroll for graduate credit if they meet these criteria:

1. They are within 12 hours of graduation.
2. Their total course load does not exceed fifteen semester hours in the regular session, or six semester hours in each summer term,
3. They have the written permission of (a) their major advisor, (b) the instructor of each course involved and (c) the Dean of the College at the time of registration.

Students should be aware of the following conditions:

1. Under no circumstances may graduate courses be taken to fulfill requirements for a baccalaureate degree.
2. No course taken without the requisite permission may be counted for graduate credit toward a degree.
3. There is no guarantee that work approved and completed will be accepted for fulfillment of degree requirements.
4. The maximum number of graduate semester hours that an undergraduate may accrue is twelve.

Undergraduate Courses for Graduate Credit

In exceptional circumstances, certain upper-level undergraduate courses, which are taught by members of the Graduate Faculty or Associate Graduate Faculty, may be taken for graduate credit upon (a) consent of the instructor of the course and (b) approval of the graduate major advisor. The student will enroll in a graduate level course cross-listed with the undergraduate course. Graduate students are required to attend the undergraduate course and complete all

work required at the undergraduate level. In addition, graduate students must complete additional work beyond that required in the undergraduate course representative of the breadth, depth, scope, and increased contact required of graduate level work. This work may include but not be limited to: documented papers, essays, themes, research, or equivalent and/or other assignments deemed appropriate by the graduate faculty instructor.

A graduate course syllabus identifying the additional work to be done for the course and the means by which a grade will be determined must be developed by the faculty member offering the undergraduate course for graduate credit.

Once a student has begun an undergraduate course for graduate credit, the course must be completed as a graduate course.

University Closures

If the University must close due to unexpected circumstances, faculty and students will have to make up missed class and laboratory time. In some circumstances resulting in closure of the University, the Provost will determine how classes will be made up. In other circumstances, the methods for making up missed classes and laboratories will be with extra assignments and readings, additional days of class or laboratory, additional class time, or in other manners to be determined.

University Discipline

Sul Ross State University expects of its students a high degree of honor in all phases of college life. It is the responsibility of all students to familiarize themselves with the rules and regulations governing student conduct as published whether in print or on the web, in the SRSU Student Handbook and other official publications.

The authority structure for administering the judicial code is the President, through the Vice President for Student Life. Please refer to the section on Judicial and Student Assistance in this catalog and to the SRSU Student Handbook for more details.

Veteran Education Benefits Recipients

Sul Ross State University serves those students who are eligible to receive educational benefits from the Veterans Administration. Records are maintained and reports made to the Veterans Administration on behalf of veterans, dependents, active-duty servicemen, and eligible reservists enrolled in the University.

Students eligible to receive educational benefits from the Veteran's Administration must inform the Veteran's Certifying Official at each registration to insure prompt certification of enrollment. In addition to receiving the academic advisor's approval of the course schedule, these students should also confer with the Veteran's Certifying Official prior to registration concerning certification of the courses.

The Veteran's Certifying Official should also be notified of any changes in the Schedule at any time during the registration period.

Students eligible to receive educational benefits from the Veterans Administration must also have on file in the Center for Enrollment Services a degree plan by the end of the first semester of enrollment at the University.

Veterans who were legal Texas residents prior to their enlistment and who have resided in Texas at least twelve months after their discharge from the service may be eligible to enroll

under the Hazelwood Act which exempts them from paying tuition. Under this act, the veteran is required to pay local specified fees. For more information, contact the Veteran's Certifying Official at (432) 837-8050 in Alpine or at (830) 703-4816 in Del Rio.

Any individual who is entitled to educational assistance under Chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post-9/11 GI Bill benefits will be allowed to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

- A. The date on which payment from VA is made to the institution.
- B. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

Sul Ross will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any student because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of funds from VA under chapter 31 or 33.

Withdrawal from the University for a Term

The University reserves the right to request at any time the withdrawal of a student for reasons of poor scholarship or unsatisfactory conduct or non-attendance. Students who voluntarily withdraw from the University must submit a withdrawal form.

Failure to attend classes does not constitute a withdrawal. Withdrawal eliminates a student's enrolled hours, but not the student's financial obligations.

Caution: Withdrawing from courses may have an adverse effect on financial aid, scholarships, loan deferments, athletic eligibility, health insurance, veteran's benefits, degree requirements, graduate assistantships, or other areas. Students considering course drops or resignation should first check with their advisor, College, and Enrollment Services to determine if this is their best option.

TUITION AND COURSE/LAB FEES

All students will pay, by the due dates specified in the class Schedule bulletin, the required tuition and fees based on the number of semester credit hours for which they register.

Required tuition and fees for each semester of the 2020-2021 academic year and the 2020 summer terms may be obtained in the Cashier's Office in Alpine or in the Business Services Offices in Del Rio, Eagle Pass, and Uvalde. Laboratory and individual instruction fees will be in addition to these amounts.

Tuition and Fees may differ between Alpine and Del Rio, Eagle Pass, & Uvalde due to the services provided at the campuses.

Resident Student Tuition

The State tuition for students classified as residents of the State of Texas during 2020-2021 is \$50 per semester hour.

Non-Resident Tuition

Tuition for a student who is classified as a non-resident student is equal to the cost of attending a State University in Texas as determined annually by the Texas Higher Education Coordinating Board. For 2020-21, this amount is \$465 per semester credit hour. See Residence Status in this catalog.

Board Authorized Tuition- Graduate Programs

Section 54.008 of the Education Code provides authority for the governing board to set state tuition for graduate programs at higher rates than the minimum tuition required by the chapter. Board authorized tuition is set at \$12 per school for graduate courses.

Application Fee	\$25.00
Biology Lab Fee.....	\$8.00
Chemistry Lab Fee	\$8.00
Distance Learning per SCH	\$50.00
(Includes waiver of certain fees for 100% online students)	
Education (Student Teaching/Internship Fee)	\$125.00-300.00
Geology Lab Fee	\$8.00
Industrial Technology	\$15.00-20.00
Mediated Math	\$75.00
Music:	
1 Hour Private Lesson	\$25.00
2 Hour Private Lesson.....	\$35.00
Physics Lab Fee	\$8.00
Physical Education	\$8.00
Safety Education (Driver Training)	\$15.00
Animal Science:	
Laboratory	\$8.00
Field Schools.....	\$175.00-1,800.00
LVN.....	To Be Determined
Audit Fee (per course) *.....	\$50.00
Housing Application Fee	\$50.00

*Permission must be obtained from the instructor of the course to be audited and from the Center for Enrollment Services prior to paying this fee. In addition, conditions under academic regulations in the University Catalog apply.

Tuition and fees presented herein are estimates and are subject to change by the Texas Legislature and/or the Board of Regents, Texas State University System.

RESIDENCY FOR TUITION

The determination of residency classification for tuition purposes is governed by statutes enacted by the Texas Legislature and rules and regulations promulgated by the Texas Higher Education Coordinating Board. Texas Higher Education Coordinating Board Rules are available at www.collegeforalltexas.com.

A student or applicant is classified as either a resident of Texas, a non-resident, or a foreign student for tuition purposes. An individual's residency classification is based on information from his or her admission application.

If an applicant or student is classified as a non-resident and wishes to be considered for reclassification as a resident, the Residency Core Questions must be submitted to the Office of the University Registrar. Documentation may be requested by the institution in order to resolve issues raised by the information provided in response to the Residency Core Questions.

It is the duty of each student to register under the proper residency classification and pay the appropriate tuition and fees. If there is any possible question whether or not a student qualifies as a resident of Texas, he or she should consult with the University Registrar in the Center for Enrollment Services at (432) 837-8049 or Box C-2, Sul Ross State University, Alpine, Texas, 79832.

OPTIONAL FEES AND DEPOSITS

Optional Fees (All optional fees and deposits are due and payable in FULL at which time the service is rendered or contracted):

Parking Fee:

All faculty, staff and students who expect to operate a vehicle on University property:

Yearly (September 1- August 31)	\$40.00
Summer (May 31 - August 31)	\$21.00

Post Office Box Rental:

Per long semester	\$6.00
Per summer term	\$3.00
Entire year	\$17.00
Graduation, by deadline	\$30.00
Graduation, after deadline	\$55.00
Diploma Insert Fee	\$5.00
Late Registration Fee	\$125.00
Installment Fee	\$25.00
Music Instrument Deposit	\$10.00
Music Instrument Rental	\$10.00

Deficiency Plan Preparation Fee

SRSU Graduate	\$15.00
Non-SRSU Graduate	\$25.00
American College Testing Program Test Residual Administration (ACT)*	\$25.00
CLEP Advance Standing Examination fee (per exam)	\$45.00
Correspondence Exam Fee	\$10.00

*This fee is subject to change in accordance with requirements of the American College Testing Program and is for administering the test on campus.

Deposits (Refundable):

Property Deposit	\$10.00
Housing Deposit	\$200.00
Orientation Fee (new students)	\$125.00

Fees and deposits are subject to change by the Board of Regents, Texas State University

System.

If a student fails to make full payment of tuition and fees, including any incidental fees, by the due date, he/she may be prohibited from registering for any classes until full payment is made. A student who fails to make full payment prior to the end of the semester may be denied credit for work done during the semester.

REFUNDS

Refund of Fees. Any student who has paid the registration fees and officially withdraws by submitting a withdrawal form to the Center for Enrollment Services is entitled to a refund of tuition and fees as follows:

Session length 10 weeks or greater (fall and spring 16 week terms)

Prior to the first regularly Scheduled class day	100%
During the first five class days	80%
During the second five class days	70%
During the third five class days	50%
During the fourth five class days	25%
After the fourth five class days	None

Session length greater than 5 weeks and less than 10 weeks

(Summer I and II, 1st and 2nd 8 week terms in fall and spring)

Prior to the first regularly Scheduled class day	100%
During the first, second or third class day	80%
During the fourth, fifth or sixth class day	50%
Seventh day of class and thereafter	None

Special Notes:

- Refund percent is applicable to tuition and mandatory fees only. Optional fees are not refundable.
- If a student has not paid the total amount of the tuition and mandatory fees by the date the student withdraws, Sul Ross State University will credit the amount to be refunded toward the payment of outstanding tuition and mandatory fees owed by the student. If any portion of the amount to be refunded remains after the outstanding tuition and mandatory fees have been paid, a refund will be issued in that amount.

Refund for Dropped Courses

Should a student reduce his/her semester hours by officially dropping a course or courses in a term, the following refund rates will apply, provided the student remains enrolled in the term at Sul Ross State University:

Regular Session (16 weeks)

During the first twelve class days	100%
After the twelfth class day	None

1st or 2nd 8-Week Session in a Fall or Spring

During the first four class days	100%
After the fourth class day	None

Summer Session I or II (5-6 weeks)

During the first four class days	100%
After the fourth class day	None

A class day is a regular day of Scheduled classes at the University (i.e. a full week, Monday to Friday, will have 5 class days). The first twelve class days are the first twelve days of regular class meetings on the University campus. These rates apply to total tuition and fee charges for the semester. An immediate refund will not be made at the time a student withdraws or reduces his/her hours during a semester. After all obligations are met and appropriate adjustments made

to the account, any refund due will be provided either by check or direct deposit (if the student has elected this option). Checks will be held for pick-up in Lawrence Hall 100 (Alpine) or at Business Services (Del Rio, Eagle Pass, or Uvalde - location based on the student's home campus) for 30 days then mailed to the student's permanent address on file. Refunds will be processed within 30 days of a drop or withdrawal.

FINANCIAL ASSISTANCE

The Center for Enrollment Services strives to develop and implement programs and activities designed to enhance the image and visibility of the University as a quality educational institution. Services include answering questions about financial aid and giving financial aid talks to area high schools. This office strives to maintain good public relations with high schools through regular visitation. Financial Aid Specialists also serve as liaisons between parents and other University offices. The Center staff coordinates all scholarships offered at Sul Ross State University.

It is the philosophy of the administration at Sul Ross State University that any deserving and capable student who wishes to attend the University should not be deprived of that opportunity due to financial need. Underlying this philosophy is the belief that the primary responsibility of financing a student's education rests with the student. However, because of the variety of financial backgrounds from which students come, it is sometimes necessary to seek outside help to cover normal education costs, which cannot be met by the family. It is the purpose of the Center for Enrollment Services at Sul Ross State University to assist students in obtaining financial aid necessary to cover this cost.

Students desiring to obtain information on how financial aid awards are determined, basic education expenses, method of financial aid disbursement, financial aid refund requirements for students withdrawing from the University, satisfactory academic progress requirements, or more information concerning any of the financial aid programs should contact the Center for Enrollment Services on the Alpine campus, or the Office of Financial Aid in Eagle Pass, Uvalde, or Del Rio

Center for Enrollment Services PO Box C-2 Alpine, TX 79832 Phone: (432) 837-8050 Fax: (432) 837-8411 E-mail: fa@sulross.edu	Office of Financial Aid 3107 Bob Rogers Drive Eagle Pass, TX 78852 Phone: (830) 758-5021 Fax: (830) 758-5019 E-mail: MRGCfao@sulross.edu	Office of Financial Aid 2623 Garner Field Road Uvalde, TX 78801 Phone: (830) 279-3008 Fax: (830) 279-3009 E-mail: MRGCfao@sulross.edu	Office of Financial Aid 205 Wildcat Drive Del Rio, TX 78840 Phone: (830) 703-4824 Fax: (830) 703-4810 E-mail: MRGCfao@sulross.edu
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Satisfactory Academic Progress (SAP) For Financial Aid

The Higher Education Act of 1965, as amended, mandates institutions of higher education to establish policies to monitor the academic progress of students who apply for and/or receive federal financial aid. SRSU makes these minimum qualitative and quantitative standards applicable to all federal, state, and institutional financial aid programs for the purpose of maintaining a consistent policy for all financial aid applicants. These minimum standards include

1. Cumulative Grade Point Average (GPA) must be 2.00 for Undergraduate programs and 2.00 for 2nd Baccalaureate and 2.75 for the Teacher Certification program and 3.00 for Graduate programs.
2. Maximum Time Frame for ALL degree types is no more than 150% of the number of credit hours required for graduation in the program of study, unless otherwise specified by program requirements.
3. Successful Credit Hour Completion Rate must be 67% of all attempted course work.

NOTE: Though this policy establishes the minimum standards for all financial aid programs at SRSU, individual aid programs may have other qualitative and quantitative standards specific to the program as mandated by law or the program's governing entity. Such programs include, but are not limited to, the TEXAS Grant program and the Texas B-On-Time Loan program. Information concerning the minimum standards of these specific programs can be obtained from the SRSU Financial Aid Office.

Satisfactory progress requirements are monitored for ALL enrollment periods, including those for which financial aid was not received. A student's financial aid eligibility will be determined in accordance with the number of credit hours that pertain to the current degree program. A student who has not made satisfactory progress at the end of a semester will be placed on Financial Aid 'Warning'; if a student fails to make satisfactory progress by the end of a subsequent semester, the student will be placed on Financial Aid 'Suspension' and lose eligibility for future aid. An appeal, which must be made in writing and accompanied by supporting documentation, may be made to the Financial Aid Appeals Committee if a student believes that extraordinary circumstances have affected his/her ability to make satisfactory progress. If the appeal is APPROVED by the Committee, the student will be placed on Financial Aid 'Probation' and will regain eligibility for financial aid. If the appeal is DENIED by the Committee and the student believes the decision of the Committee to be inappropriate, the student may request to have the appeal presented before the Vice President of Enrollment Management (VPEM). The VPEM has the option to send the case back to the SRSU Financial Aid Appeals Committee for review.

A copy of the complete and current Satisfactory Academic Progress Rules can be obtained online by clicking [here](#). These rules are subject to change in accordance with federal, state and institutional policy.

In compliance with SACSCOC standard 3.9.2, SRSU provides information and guidance to help student borrowers understand how to manage their debt and repay their loans.

SCHOLARSHIPS

Sul Ross State University offers many outstanding academic scholarships for beginning freshmen as well as students currently enrolled who excel in areas of academic achievement and leadership.

Interested students should contact the Center for Enrollment Services at (432) 837-8050, by mail at Box C-2, Alpine, Texas 79832, or visit Lawrence Hall Room 100 on the SRSU Campus. The Scholarship brochure and application may also be found online at:

<http://www.sulross.edu/page/1064/srsu-scholarships>

PROGRAMA DE ASISTENCIA ESTUDIANTEL (PASE)

Mexican citizens are eligible for the Programa de Asistencia Estudiantil (PASE) under which they qualify for in-state tuition and fees. Only Mexican citizens are eligible for PASE. U.S. citizens holding dual U.S./Mexican status are not eligible for PASE.

For more information on PASE or for a PASE application form, contact the Center for Enrollment Services, Box C-2, Alpine, Texas 79832.

DEPARTMENT OF ANIMAL SCIENCE

College of Agricultural and Natural Resource Sciences

Office: Turner Range Animal Science Center, 103

Phone: (432) 837-8200

Website: <http://www.sulross.edu/animal-science>

Assistant Professor and Chair: Jamie A Boyd, Ph.D.

Professor: Scott A. Ericsson, Ph.D.

Associate Professor: Dexter Wakefield, Ph.D.

Assistant Professor: Persephone Greco-Otto, Ph.D., DeMetris Reed, Ph.D.

Program Description

The Department of Animal Science offers Master of Science (thesis and non-thesis) and Master of Agriculture degrees.

The Department of Animal Science educates students in the art and science of applied animal knowledge and business practices to manage animals. Our goal in the Department of Animal Science is to provide the best education and preparation available for professional careers in the animal agriculture industry. We meet this goal with a curriculum solidly grounded in scientific principles emphasizing hands-on experience. Our degrees offer great flexibility to customize your educational needs by providing a number of concentrations.

Features

The Department of Animal Science is located in the Everett E. Turner Range Animal Science Center. This 500-acre complex consists of classrooms, laboratories, offices and animal holding areas. There are special facilities for veterinary technology, farrier technology, reproductive physiology, and equine science, as well as swine facilities, a feedlot and special horse pens. The university also maintains animals for teaching and research including: a herd of registered Hereford cattle, horses, goats, sheep, and swine. The 14,700-acre university ranch is also available for animal science classes and research. A variety of student clubs and activities are available for you to participate in, and include Collegiate FFA, Delta Tau Alpha (agricultural honorary society), Pre-Vet Club, Rodeo Club, Ranch Horse Team, Range and Wildlife Club, and Graduate Student Association.

GRADUATE PROGRAMS IN ANIMAL SCIENCE

The Department of Animal Science offers programs of study leading to the Master of Science (thesis), and Master of Agriculture (non-thesis) degrees, depending on an individual's educational objectives. Programs in Animal Science emphasize, through the mastery of advanced technology, methods of improving and/or better utilizing agricultural resources. The graduate program is designed to prepare students for advanced education (Ph.D.) and/or for careers in teaching, extension service, research, management, and other occupations requiring the higher-level capabilities of resource managers or scientists. GRE scores of 290 (verbal and quantitative) are required for full admission to the M.S. thesis program. GRE scores of 280 (verbal and quantitative) are required for full admission to the M.S. non-thesis program. Additional requirements for all Master of Science options include a letter of intent, a resume, and two letters of recommendation from outside the department. Departmental GPA requirements are the same as general admission requirements outlined for the university. For the Master of Agriculture degree, admission requirements follow SRSU general admission requirements for graduate studies. Offerings in collateral fields enable the student to develop a program tailored to their particular needs and interests.

Master of Science (Thesis) Animal Science-30 hours Alpine Campus

The Master of Science program of study for Animal Science must include the following courses:

- ANSC 5311 Scientific Writing
- ANSC 5312 Biostatistical Analysis I
- ANSC 5313 Biostatistical Analysis II
- ANSC 6301 Thesis Proposal
- ANSC 6302 Thesis Defense

Plus 15 additional semester hours of ANSC graduate work. These may include upper-level undergraduate courses in ANSC taken for graduate credit, or graduate-level courses from other departments. Students must establish a major advisor for entrance into the program.

ANSC 6302 Thesis Defense

Master of Agriculture (Non-thesis) Animal Science-36 hours Online Only

The Master of Agriculture (non-thesis) program of study for Animal Science will include the following courses (additional courses in other fields may be substituted with approval from major advisor or ANSC department chair):

- ANSC 5308 Principles of Teaching Adult Learners
- ANSC 5317 Implementing Change
- ANSC 5320 Animal Industries
- ANSC 5321 Animal Science Business Planning
- ANSC 5322 Statistics for the Animal Sciences
- ANSC 5323 Research Literature
- ANSC 5324 Animal Physiology
- ANSC 5325 Agricultural Genetics & Biotechnology
- ANSC 5326 Animal Reproduction
- ANSC 5327 Animal Nutrition
- ANSC 5328 Meat Production
- ANSC 5329 Animal Breeding

DEPARTMENT OF BEHAVIORAL AND SOCIAL SCIENCES

History, Political Science, Public Administration

College of Arts and Sciences

Office: Lawrence Hall 208

Phone: (432) 837-8157

FAX: (432) 837-8146

E-mail: msaka@sulross.edu

Professor and Chair: Mark Saka, Ph.D.

Distinguished Professor: Jim D. Case, Ph.D., Professor: James W. Downing, Ph.D.

Instructors: Kendra DeHart, M.A.

Assistant Professors: Bibiana Maria Gutierrez, Ph.D.,

Alicia Trotman, Ph.D., Jessica Velasco, D.P.A., and Savannah Williamson, Ph.D.

Program Description

The Department of Behavioral and Social Sciences offers the Master of Arts degrees in History, Political Science, and Public Administration. The department has a limited number of graduate Teaching Assistantships for graduate students in History, Political Science, and Public Administration. For additional information about the assistantships, contact the department chair. The Behavioral and Social Sciences faculty is engaged in a wide-range of research with international, national, and regional focus. There has been a tradition of research addressing Trans-Pecos/Big Bend issues as well as cross-cultural research in Mexico. The Center for Big Bend Studies and the Museum of the Big Bend are closely associated with the department and provide students opportunities for archeological and historical research. The Department of Behavioral and Social Sciences also provides educational opportunities through international travel in Europe and Mexico.

The Texas state legal requirements for course work in United States history and federal and Texas government are met by courses taught in this department. These requirements may be met in a variety of ways indicated in the course descriptions for the appropriate discipline.

The Department sponsors a number of honorary societies and clubs, including: Phi Alpha Theta, the national history honorary society. Pi Sigma Alpha, the national political science honorary society, and Psi Chi, the international psychology honor society, and the Psychology Association, a student organization for psychology majors.

As with all Sul Ross students, students majoring in an academic area within the Department of Behavioral and Social Sciences are required to take a major field assessment examination during the semester in which they graduate. Students should contact their major field advisors concerning specifics of the examinations.

Features

The department is located in Lawrence Hall and works in cooperation with, the Museum of the Big Bend. In addition to faculty offices, office space for history and political science graduate teaching assistants is available.

GRADUATE PROGRAM IN HISTORY

Offered in Alpine

(Master of Arts with a Major in History)

Graduate students in History may earn a Master of Arts degree with a minimum of 36 hours of study. The options are: the thesis option or the non-thesis option. The thesis option requires a

minimum of 24 semester credit hours of course work in History and 6 sch of course work of thesis credit. The non-thesis option contains the following two options:

36 semester credit hours History program (36 sch History courses)

Major/minor plan 24-30 sch in History (6-12 sch in minor field)

The student will be required to assemble a committee of three advisors of which two must be in the field of history. At the completion of the coursework, the student will be required to take and pass written comprehensive exams. The comprehensive exams are to be taken at least fourteen days before date of graduation.

GRADUATE PROGRAMS IN POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

Offered in Alpine

The Master of Arts degree in Political Science is designed to serve the needs of students who are interested in teaching and research at the college level, who are preparing for political or administrative careers in public or governmental service, who are preparing for careers in secondary education, who are preparing for continued graduate studies, and who, as citizens, simply want to know more about public affairs.

The Master of Public Administration degree is designed to serve the needs of students who are preparing for political or administrative careers in public or governmental service, or continued graduate studies.

Except for the thesis option, course work in Political Science must be supported by a minimum of nine to twelve semester credit hours of graduate course work in a related discipline.

Requirements for a degree may be satisfied as follows:

1. Complete a minimum of 36 semester credit hours of graduate credit coursework including PS 5307, OR
2. Complete a minimum of 24 semester credit hours of graduate credit coursework including PS 5307 plus 6 semester credit hours of PS 6301 -6302, Thesis, AND
3. Successful completion of the comprehensive examination required of all graduates.

Courses taken at the 3000- and 4000-level for graduate credit, arranged courses, individual instruction courses, and transfer courses may not total more than 12 semester credit hours.

Admission

The applicant must possess an undergraduate degree and twelve semester credit hours of undergraduate political science and/or history.

Students pursuing a second master's degree may have up to twelve semester credit hours of graduate work from the completed degree program credited to the Master of Arts degree in political science or the Master of Public Administration. This will occur only after full admission to the political science program has been granted by the Registrar and the chairman of the department.

For information on graduate assistantships or other matters, contact:

Mark Saka, Ph.D.

Department of Behavioral and Social Sciences

Sul Ross State University

Alpine, Texas 79832

(432) 837-8157

Master of Arts with a Major in Political Science

A. Thesis students must complete 30 semester credit hours of graduate course work consisting of the following:

1. Select eighteen semester credit hours of graduate course work in Political Science, including PS 5307.

2. Complete the thesis courses, PS 6301 -6302.
 3. Select an additional six semester credit hours of course work from the following:
 - HIST 5308 Seminar in European History
 - HIST 5310 Seminar in American History
 - GBA 5308 Problems in Business Administration
 - or other non-Political Science courses from related disciplines as advised by major advisor.
- B. Non-thesis students must complete 36 semester credit hours of graduate course work consisting of the following:
1. Minimum eighteen semester credit hours of graduate course work in Political Science, including PS 5307.
 2. Nine to eighteen semester credit hours of course work from outside of Political Science as advised by major advisor.
 3. If less than 18 semester credit hours of course work is used in the supporting area from related disciplines, up to nine additional semester credit hours of graduate Political Science course work can be used to bring the total to 36 semester credit hours.

Master of Public Administration

- A. Required Political Science: 15 semester credit hours as follows:
- PS 5303 Public Administration Survey
 - PS 5307 Scope and Methods in Social Science
 - PS 5310 Public Budgeting and Finance
 - PS 5311 Intergovernmental Relations
 - PS 5313 Public Policy Analysis
- Minimum 6 semester credit hours from the following Political Science:
- PS 5315 Local Government Administration
 - PS 5316 Special Topics in Public Administration
 - PS 5317 Seminar in US Government
- B. Nine to twelve semester credit hours of course work in a related discipline as advised by major advisor.
- C. Three to six semester credit hours of additional Political Science course work to bring the total to 36 semester credit hours.

DEPARTMENT OF BIOLOGY, GEOLOGY, AND PHYSICAL SCIENCES

College of Arts and Sciences

Office: Warnock Science Building 216

Phone: (432) 837-8112

E-mail: biology@sulross.edu

Interim Chair and Associate Professor: Angela Brown, Ph.D.

Distinguished Professor Emeritus: A. Michael Powell, Ph.D. and David Rohr, Ph.D.

Professor Emeritus: Martin K. Terry, Ph.D., D.V.M.

Professors: Elizabeth Measures, Ph.D., Christopher Ritzi, Ph.D.

Kevin Urbanczyk, Ph.D. and James C. Zech, Ph.D.

Assistant Professors: Anirban Bhattacharjee, Ph.D., Hong Yong Chang, Ph.D.,

Crystal Graham, Ph.D., Sean P. Graham, Ph.D., David J. Leaver, Ph.D.,

Thomas Shiller, Ph.D.,

Instructor: Jessica Kelsch, M.S.

Program Description

The Department of Biology, Geology, and Physical Sciences offers course work leading toward Masters of Science degrees in Biology and Geology. The department has a limited number of Graduate Teaching and Research Assistantships for students enrolled in the MS Biology and Geology programs. For additional information about these assistantships, please contact the department chair.

The department sponsors a number of honorary societies and clubs, including: Beta Beta Beta, the National Biological Honor Society, and Sigma Gamma Epsilon, the National Honor Society for the Earth Sciences. The department also houses active student clubs, such as the Chemistry Club, Geology Club, and Biology Club, in addition to being affiliated with other social and service clubs.

The countryside around Alpine is characterized by rugged mountains interspersed with high plateau grasslands and lowland deserts. The area is generally referred to as the Big Bend Country and represents the northern part of the great Chihuahuan Desert. The tremendous diversity of landscape, habitat and rocks makes the entire area a huge natural outdoor laboratory unmatched elsewhere for the study of the natural sciences.

FEATURES

The department is located in the Warnock Science Building. Within the science building, we maintain two modern lecture halls, 10 laboratories outfitted for the various sciences, a planetarium, a chemical analytical lab, a molecular biology lab, a rock processing lab, a Geographical Information System (GIS) lab, an interdisciplinary analytical lab, and teaching and research collections of vertebrates, invertebrates, rocks, minerals, fossils, and a herbarium. A more detailed explanation of these resources is provided below.

The chemistry laboratories and the chemical analytic lab possess such teaching tools as DR-3000 Hach Spectrophotometer, Beckman Ultraviolet & Visible Spectrophotometer, Perkin-Elmer Atomic Absorption (AA) Spectrometer, Thermo Scientific Nicolet IS 10 FT-IR Spectrometer, Nuclear Magnetic Resonance (NMR) Spectrometer, BUCK Scientific Gas Chromatographs, high performance liquid chromatography (HPLC), Vacuum Oven, Micromaster microscope model CK, and pH meters to study semi-liquids in trace quantities, digital thermometers, analytical balances to weigh trace quantities of samples, and Parr Bomb Calorimeter.

The **A. Michael Powell Herbarium** occupies 1 wing of the building with 119 cases holding approximately 100,000 specimens. The major collections include plants of Trans-Pecos Texas in

the northern Chihuahuan Desert Region. The Herbarium is a prominent regional research collection available to botanists around the world, and is also a valuable teaching facility for both undergraduate and graduate students interested in various botanical disciplines or in wildlife biology.

The **James F. Scudday Vertebrate Collection** contains 1,300 amphibians, 6,257 reptiles, 1,243 birds and 2,871 mammals for a total of 11,671 specimens. Each specimen is appropriately preserved for permanent storage and use. Records for each specimen include family, scientific name, locality and other collection data. The vertebrate collection serves as a valuable resource for research and teaching. Specimens are available for study by researchers at other institutions. The collection is largely regional, including excellent representation of the vertebrates occurring in the southwestern USA and Mexico. Also included are a substantial number of specimens from other regions of North America and some from other continents.

The **Jim V. Richerson Invertebrate Collection** is a major scientific resource for the department and the university. It is available to students and visiting scientists. About 80,000 adult pinned specimens and about the same number of immature stages are housed in 30 museum cases. The collection emphasizes insects of the northern Chihuahuan Desert Region in Trans-Pecos Texas and includes especially fine assemblages of insects that live on or in a range of plants and insects that vector animal (including human) diseases. The orders Lepidoptera, Odonata, Orthoptera and Coleoptera have been curated and identified more extensively than other insect orders represented in the collection, although a substantial collection of pollinators in the order Hymenoptera have been curated in recent years. Additionally, a robust collection of ectoparasitic arthropods of over 50,000 slide-mounted specimens is housed within the collection, helping to document the arthropod-vertebrate associations found both in the area and around the world.

The **Biology Field Plot** is a site for experimentation with various plant species including oaks, pines, grapes, and cacti. Additionally, Sul Ross owns 10 different plots of land varying from 5 to 40 acres in size in the Terlingua Ranch Properties. These areas cover a variety of different ecological and floral habitats.

The **Sul Ross State University Analytical Laboratory** houses an array of equipment accessible to students and faculty for a number of analytical purposes. Equipment in the lab includes a JOEL JSM-6010LA Scanning Electron Microscope (SEM), which is used to obtain microscopic images of samples and to collect information regarding the chemistry of the samples using the attached Energy Dispersive X-Ray spectrometer. The lab also houses a DIONEX ion chromatograph which is used to analyze anions in water samples; the lab also includes a Denton Vacuum sputter coater (Au, Au-Pd, and C) for SEM sample preparation and a Branson ultrasonic cleaner. The laboratory also has an ARL Perform'X X-Ray Fluorescence Spectrometer (XRF). This is a wavelength dispersive instrument that is ideally suited for the chemical analysis of rocks and minerals. The lab uses a low dilution fusion glass bead sample preparation technique. The lab also has a Bruker D2 Phaser X-Ray Diffractometer (XRD) that adds the additional capability to analyze the crystalline structure of minerals.

The lab is located adjacent to the Geology sample preparation lab which includes two 14-inch slab saws and one 18-inch slab saw, an 8 inch trim saw, a lap wheel, a Geoform thin-sectioning device, a Spex tungsten carbide and steel shatter box grinder, ceramic jaw crushers, high temperature oven, a Spex pellet press, a Frantz isodynamic magnetic separator, various sieves and sieve shaker, non-toxic heavy liquids for mineral and microfossil separation and fume hoods. The **Microbiology and Molecular lab** contains many pieces of equipment used for various processes and purposes. It houses the SmartSpec Plus Spectrophotometer, DR 3800 Benchtop Spectrophotometer, NanoVue Spectrophotometer, and the BioRad SmartSPE Spectrophotometer, which are all used, in different ways, to measure the amount and wavelengths of light that pass through a sample. Another item used by the Microbiology lab is the HPLC (High Performance Liquid Chromatography) Analyzer. This instrument is used to

separate compounds in a sample in order to purify and/or quantify them. Also in this lab are two autoclaves and several different types of centrifuges such as a 26 KM FS Centrifuge, a Mistral 3000 E Centrifuge, a Micro HERMLE Z180M Centrifuge, and several Clinical Microfuges. Also in the lab is a REVCO 85 17.2 cu. ft. freezer for sample storage. Also included are several different formats of incubators ranging from water-jacketed, CO₂ jacketed, coliform bathed, to convection incubators. All of which are used to provide a proper environment for the growth of samples and cultures used in the lab. Also several microscopes can be found in this lab. The Moticom 2500 Camera Microscope, the Inverted Research Microscope, and the Carl Zeiss Photo IIP Microscope are all used in the study and analysis of samples.

The **GIS laboratory** is a modern GIS lab with new dual monitor computers, a plotter and a site license for the latest version of ArcGIS for Desktop. The lab is utilized for many interdisciplinary applications and maintains software to support these. The laboratory benefits from cooperative agreements with the Texas Parks and Wildlife Department and the National Park Service.

Through these and other sources, the laboratory has compiled an extensive spatial library for the Trans-Pecos and northern Mexico region, including Landsat scenes, complete coverage in standard GIS datasets (DRG, DOQ, NED, Transportation), and additional geologic, hydrologic and biologic datasets. The lab utilizes a robust network attached storage (NAS) system so that users can access the data from anywhere on campus or from anywhere with a network connection and VPN. The NAS system ensures redundant data backup.

The department also has access to a variety of field equipment. The list of hydrologic equipment includes Teledyne RiverRay and StreamPro Acoustic Doppler Current profilers, and a Sontek Flow Tracker Hand-held Acoustic Doppler velocimeter. These instruments are used to measure stream discharge and can also be used for bathymetry. Portable flumes are available for measuring discharge in smaller streams and springs. A Spectra Precision SP80 RTK GPS unit and a fully robotic Focus 35 total station are available for field survey projects. These instruments are used for a variety of field applications and can be used with the available DJI Matrice 600 Inspire UAVs and a MicaSense multispectral sensor for photogrammetry projects. The department also has access to a RIEGL VZ-400i 3D Laser scanner which is used in combination with the other survey equipment for geomorphic change detection analysis and other 3D characterization projects. A portable particle size analyzer, field water titration and filtration equipment, and a variety of pressure transducers for measuring water levels are also available.

The list of available field equipment also includes 4 rafts, 15 canoes, trailers and other necessary equipment to conduct multiple day field trips. Departmental field trips, field courses, and river trips benefit from an extensive set of back-country camping gear.

MASTER OF SCIENCE WITH A MAJOR IN BIOLOGY

Offered in Alpine

An individual with a bachelor's degree may enter, if qualified, into the graduate program in Biology for the Master of Science degree. The degree may be obtained by completing 30 semester credit hours in biology, including the writing of a thesis (Plan I), by completing 36 semester credit hours and a "mini thesis" (Plan II), or by completing 36 semester credit hours in biology (Plan III). Culminating requirements for both Plan I and Plan II are a thesis defense presentation and comprehensive oral exam. For Plan III both oral and written comprehensive exams are required. Plan III must be approved by the Biology faculty. A "mini thesis" is usually a one semester project. The department will, at the discretion of the student and committee, accept toward the master's degree 6 semester credit hours of coursework in a department other than the major. As with all Master's degrees at Sul Ross State University, all graduate course work is to be completed within six years of beginning the program. If the degree is not

completed by that time, courses up to 10 years old can be counted for ½ credit pending an approved request by the major advisor to the department chair and the academic dean.

GRADUATE PROGRAM IN GEOLOGY

Offered in Alpine

Master of Science with a Major in Geology

The graduate program at Sul Ross emphasizes the fundamentals of geology through an integrated field and laboratory approach leading to the Master of Science degree.

ADMISSION

- A. For FULL admission to the Graduate Program in Geology, the following are required:
1. Acceptance by the Biology, Geology, and Physical Sciences Department
 2. An acceptable undergraduate academic record, and GPA, which includes the completion of the following or their equivalents:
 - a. Math 2413 Calculus I
 - b. Any one of the following three courses:
 1. Math 2414 Calculus II
 2. Math 2318 Linear Algebra
 3. Computer Programming Class
 - c. Chemistry 1311/1111 or 1312/1112
 - d. Physics 1301/1101 or 1302/1102 or higher
 - e. Geology 2405 Optical Mineralogy
 - f. Geology 3402 Structural Geology
 - g. Geology 3408 Stratigraphy and Sedimentation
 - h. Geology 4401 Sedimentary Petrology
 - i. Geology 4403 Igneous and Metamorphic Petrology
 - j. Geology 3601 Field Geology
 - k.
 3. Completion of the Graduate Record Examination (General) with an acceptable score.
 4. A letter of intent.
 5. A resume or curriculum vitae.
 6. A minimum of two letters of recommendation attesting to applicant's ability to do graduate level work.
- B. Students may be **conditionally** admitted subject to completion of the following:
1. Leveling work to satisfy the undergraduate requirements listed in A.2. above. Courses not counted toward the graduate degree, such as leveling courses, are noted on the transcript with an asterisk and are not calculated in the graduate grade point average. Leveling classes are included on the degree plan but are not applied to graduate credit.
 2. Completion of the Graduate Record Exam (General) with an acceptable score during the initial year of enrollment.

Geology Graduate Degree Requirements

The graduate program requires the successful completion of course work with the expectation to complete and successfully write and defend a thesis.

Students must select at least one course from each of the following groups:

- a. 5306, 5312, 5322, 5332,
- b. 5308, , 5317, 5402, 5403,
- c. 5320, 5326, 5328

Most Geology graduate courses are offered on alternate years.

Students must also take one semester of Seminar (GEOL 5101) and the Geology techniques course (GEOL 5334).

The Geology program will, at the discretion of the student and Geology faculty, accept toward the Master's degree no more than six semester credit hours of coursework in a department/program other than the major. Approval must be obtained prior to enrolling in the course.

The Geology program or the students committee will evaluate the progress (term or annual basis) of Masters' thesis candidates.

Plan 1. Thesis Option: Thirty semester credit hours of coursework in Geology, including a minimum of 24 SCH of 5000-level courses and 6 SCH of thesis (6301 and 6302). A thesis must be proposed, written, successfully defended, and a comprehensive oral exam (involving the thesis committee only) passed for this option. A maximum of 6 SCH of approved graduate credit may be transferred from another accredited institution. Any transfer requires the approval of the Geology faculty advisor, department chair, and the Dean of the College of Arts and Sciences prior to finalizing the degree plan.

Plan 2. Mini-thesis Option: Completion of 36 SCH of coursework in 5000-level Geology courses. A mini-thesis, usually a one-semester project, must be written, successfully defended, and a comprehensive oral exam (involving the entire geology faculty and faculty from other disciplines from whom courses were taken) passed for this option. A maximum of 6 SCH of approved graduate credit may be transferred from another accredited institution. Any transfer requires the approval of both the Geology faculty advisor, department chair and the Dean of the College of Arts and Sciences prior to finalizing the degree plan.

Plan 3. Non-thesis Option: Completion of 36 SCH of coursework in 5000-level Geology courses and pass a comprehensive written and oral exam (involving the entire Geology faculty and faculty from other disciplines from whom courses were taken).

A maximum of 8 SCH of approved graduate credit may be transferred from another accredited institution. Any transfer requires the approval of the Geology faculty advisor, department chair and the Dean of the College of Arts and Sciences prior to finalizing the degree plan.

DEPARTMENT BUSINESS ADMINISTRATION

College of Education and Professional Studies

Briscoe Administration Building, 316

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Chair and Associate Professor: Deborah Pendarvis, Ph.D.

Professor: William C. Green

Assistant Professor: Gregory Roof, Ph.D.

Lecturer: Clark Nussbaum, M.B.A.

Middle Rio Grande College

Phone: (830) 703-4840

E-mail: emoura@sulross.edu

Professor and Chair: Edison Moura, D.B.A (Del Rio)

Professor Emeritus: Terry Carson, Ph.D. (Uvalde),

Associate Professors: Efrain Adames, M.P.A. (Eagle Pass), Thomas Matula, Ph.D. (Uvalde),

Assistant Professor: Dr. Mary Jane Saucedo, Ph.D. (Uvalde)

GRADUATE PROGRAMS IN BUSINESS ADMINISTRATION

The Master of Business Administration degree is recognized by industry and government as one of the best credentials for success in management. It is offered for those students who are interested in preparing themselves for positions of responsibility in management or who have attained a management position and are seeking to enhance their understanding of the latest concepts, tools, and techniques of management and administration. This graduate program will provide useful organizing and planning skills which are high in demand but in short supply. Policy determination and decision-making require sophisticated preparation at the graduate level. Sul Ross' MBA Program recognizes the experience already achieved by its participants and provides a flexible method for self-advancement.

The department offers three graduate MBA degree options. One option is a one year full-time program offered in class at the Alpine campus. A second option is a part-time two year online program offered primarily on an asynchronous basis. A third option, which is available only to international students, is currently inactive.

Regardless of option, the MBA professors combine their industry experience, academic theory and concepts as well as insight gained from their own research to offer the graduate student insight from both an academic as well as a business practitioner's perspective. The MBA curriculum includes content from economics, finance, marketing, management, accounting, strategy and global business. The Department of Business Administration MBA program attracts people from diverse cultures and often leverages these differences into learning opportunities. Through these programs, relationships with faculty, students, and alumni are formed that provide lasting professional and personal bonds.

Both the Alpine-based and the online MBA programs impart the latest organizational knowledge and perspectives. Students learn to recognize and define changes critical to organizations regionally, nationally, and globally.

Background or "leveling work" may be required as deemed necessary by the MBA advisor with

approval from the department chair and the Dean. Leveling work requirements may include: Accounting 2301 and/or 2302; Economics 2301 and/or 2302; Finance 3340; Marketing 3370; Management 3360; and General Business Administration 3352.

*** MASTER OF BUSINESS ADMINISTRATION**

**Offered at Alpine, Del Rio, Eagle Pass, and Uvalde
(36 hours)**

The one year full time Master of Business Administration (MBA) degree program is designed to prepare individuals to deal with most aspects of the complex and competitive world of organizations. The one-year program is offered on the Alpine campus in a classroom setting. The two-year Online MBA program is delivered using Blackboard and various synchronous tools as necessary. As noted, this program is an attractive option to those already in the workforce and/or who have time constraints.

Accounting ACC 5307 or ACCT 5307	3
Economics ECO 5303 or ECON 5303	3
Research and Readings in Economics ECO 5304 or Business Research and Report Writing GBUS 5301	3
Finance FIN 5306 or FINA 5306	3
Business Strategy or Management Policy GBA 5301 or MGMT 5303.....	3
Project Management or Quantitative Analysis & Decision Theory for Business GBA 5310 or 5309 or QMTS 5309	3
Seminar in Management MGT 5304 or MGMT 5304.....	3
Seminar in Marketing MKT 5305 or MKTG 5305.....	3
MBA Electives ACC5000-5999 or ACCT 5000-5999 or ECO 5000-5999 or ECON 5000-5999 or FIN 5000-5999 or FINA 5000-5999 or GBA 5000-5999 or MGT 5000-5999 or MGMT 5000-5999 or MKT 5000-5999 or MKTG 5000-5999 or QMTS 5000-5999.....	12

Total 36

Program Requirements

- A. The student must complete an approved program of 36 SCH.
- B. Core requirements for all MBA students—21 SCH
- C. In addition to the core requirements, students must complete 15 SCH of elective courses in Business Administration in consultation with the major advisor.
- D. Transfer Credit
 1. No more than twelve of the thirty-six semester credit hours of required work may be transferred into the program and only with the approval of the Business Administration Department Chair.
 2. Seminars, courses and institutes offered by educational agencies of the United States Armed Services which are approved for graduate credit by the American Council on Education may be submitted for transfer credit.
 3. All transfer course work must have a relationship to the student's program of study and must be approved by the Business Administration Department Chair.

Other program requirements

- A. Students who do not maintain a satisfactory grade point average will be subject to probation and then suspension (see general academic regulations).
- B. Students must earn a grade of B or better in each graduate course undertaken. A minimum 3.0 GPA is required for graduation.
- C. Students must take the ETS MBA Major Field Test during their graduating semester.

DEPARTMENT OF EDUCATION

College of Education and Professional Studies

Office: Morelock Academic Building, 305

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Associate Professor and Interim Chair: Barbara Tucker, Ph.D.

Instructor and Director of Teacher Education: Diana Rodriguez, M.A.

Professors: Galen Privitt, Ed.D. and Rebecca Schlosser, Ed.D.

Associate Professors: Barbara Tucker, Ph.D. and Jeanne Qvarnstrom, Ed.D.

Assistant Professors: Jennifer Miller, Ph.D. and Lisa Sousa, Ph.D.

Instructors: Ronda Hayes, M.Ed., Glenn Short, M.Ed., Isela Pena, M.Ed., and Nathaniel Smith, M.S.

Coordinator, Counselor Education Program: Ronda Hayes, M.Ed.

Coordinator, Educational Leadership Program: Isela Pena, M.Ed.

Coordinator, Reading Program: Jennifer Miller, Ph.D.

Coordinator, Superintendent Program: Galen Privitt, Ed.D.

Coordinator, Educational Diagnostician Program: Lisa Sousa, Ph.D.

Coordinator, Master of Education-General: Jeanne Qvarnstrom, Ed.D.

Coordinator, Master of Education with Alternative Certification: Diana Rodriguez, M.A.

Coordinator, Post Baccalaureate Certification Program: Diana Rodriguez, M.A.

Middle Rio Grande College

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Department Chair: Miriam Muñiz-Quiz, Ph.D. (Del Rio)

Director of Teacher Education/Certification: Gina L. Stocks, Ph.D. (Uvalde)

Professors: Monica Gutierrez, Ph.D. (Uvalde), Miriam Muñiz-Quiz, Ph.D. (Del Rio),

Fernando Quiz, Ph.D. (Del Rio), and Todd T. Russell, Ph.D. (Uvalde),

Timothy L.-Y. Wilson, Ed.D. (Uvalde)

Associate Professor: Gina L. Stocks, Ph.D. (Uvalde)

Assistant Professors: Maria G. Gear, Ed.D. (Eagle Pass) and Samuel Garcia, Ph.D. (Del Rio)

Program Description

Sul Ross State University was created in 1920 as a state normal college for the primary purpose of preparing teachers for the public schools of West Texas. Our continuing mission in the Department of Education is to develop life-long learners who are reflective practitioners of their craft. Our vision includes preparing high quality educators.

Graduate programs include general education, counselor education, school administration, reading, and educational diagnostician. Degree options and certification programs are described under Graduate Programs in Education within this section.

GRADUATE PROGRAMS IN EDUCATION

At the graduate level the primary objective of the Department of Education is to enable you to further your study in your chosen field of specialization. Students may obtain a general master's degree in General Education. Within the General Education Master's degree, students may select a general master's degree with a specialization area. Master's programs lead to certification in counselor education, diagnostician, reading, principal and superintendent. The master's degree and certification programs require three years of teaching experience prior to admission, a grade point average of 3.0 or higher on a 4.0 scale with no grade lower than a "B." Master's programs each have additional guidelines. Prior to registering for the programs concluding practicum the

TExES certification exam must be taken and passed. For information pertaining to a specific certification, see the coordinator, director, or advisor of that program. The number of semester credit hours (SCH) will depend on the specialization and certification sought. **Either a Master's Comprehensive Examination or successful presentation of a Program Portfolio (Electronic) must be completed in the last semester of required coursework, whichever is required by the specific program. It is the responsibility of the student to apply for the comprehensive exam/portfolio presentation.**

Always consult with your advisor.

MASTER OF EDUCATION – EDUCATIONAL INSTRUCTIONAL TECHNOLOGY

Offered in Alpine

[List of University Courses](#)

30 semester credit hours

8-week course format for first 27 hours

A master's degree in Educational Instructional Technology requires 30 semester hours. The Educational Instructional Technology program requires a grade point average of 3.0 or higher on a 4.0 scale with no course grade of a "C" being accepted, all course work must meet the course grade requirement of "B" or better. All course work requires approval of the major advisor and must be completed within 6 years. Students enrolled in the graduate level Educational Instructional Technology program may be expected to meet with the program faculty at any point during the program in order to evaluate progress

These four courses must be taken in the first 12 hours:

ED 6375 Foundations of Educational Technology

ED 6376 Inquiry Based Research Methods

ED 6377 Instructional Design

ED 6382 Basic Application of Media and Technology

Required Courses:

ED 6380 Special Topics in Educational Technology

ED 6378 Integration of Technology into the Curriculum

ED 6379 Implementation of Educational Technology Program in the Educational Settings (prerequisite ED 6378)

ED 6381 Critical Issues in Educational Technology

ED 7300 Advanced Applications of Media and Technology

ED 6383 Educational Technology Capstone with Portfolio Development (16-week course)

File application and successfully defend the Portfolio in last semester of course work.

Students must consult with advisor in Ed Instructional Technology before enrolling each semester.

MASTER OF EDUCATION - EDUCATIONAL LEADERSHIP

Offered at Alpine

[List of University Courses](#)

Requirements for Master of Education with specialization in Educational Leadership with the Principal as Instructional Leader Certification

This is a 30-hour graduate program resulting in a Master of Education with Principal as Instructional Leader Certification. By the end of the first semester of the Educational Leadership

Program, a student must obtain permission from their district and campus leadership to complete the certification practicum coursework or the student may not seek certification. (They may still obtain the M.Ed. in Educational Leadership without Principal as Instructional Leader Certification, as outlined below.) Students will be responsible for completing all required coursework, including 160-hours of practicum coursework, successful portfolio defense, university required practice and practice examination. Students must score a minimum of 80% on a TExES 268 practice examination provided by CertifyTeacher.com or other representative TExES 268 test as designated in the Program Handbook and provide appropriate evidence. Students must obtain a minimum of a 3.0 ("B") for each course completed in the program. Credit will not be accepted for any course in the program for which students did not receive a 3.0 ("B"). Students must complete the AEL and T-TESS trainings and provide the completion certificates to their advisor. Prior to recommendation for certification, students must pass the state-mandated certification examinations, the TExES 268 and 368 (PASL).

Required Course Work: (30 sch)

(Transfer credits may be applied as applicable)

ED 5319	School Law
+ED 5330	Introduction to School Administration
+ED 5332	Educational Research I
++ ED 5333	Educational Research II
ED 6312	Curriculum, Instruction & Assessment
ED 6315	Instructional Leadership: Planning, Implementation
ED 6320	School Support Services
ED 7100	Practicum I
ED 7101	Practicum II
++ED 7102	Practicum III
ED 7304	Leadership in Educational Administration
ED 7309	Special Populations and Programs

+ Must be taken within the first 6 semester credit hours

++ Must be taken in last semester

Additional Program Requirements:

1. Hold a valid Texas provisional teaching certificate or evidence of equivalent preparation.
2. Have a minimum of two years teaching in a T.E.A. accredited school
3. Complete all coursework in a six (6) year period and earn no less than a 3.0 ("B") in each Ed. Leadership course
4. File application and successfully defend the Portfolio in last semester of course work.

Additional Certification Requirements:

1. Provide Certificate of Completion of AEL & T-TESS certifications from a RESC or other approved institution.
2. Purchase and complete Certify Teacher as Instructional Leader Test Preparation (TExES 268) and review software or other approved TExES 268 Review.
3. Provide certificate showing completion of 6 hours of study and Certify Teacher Principal as Instructional Leader (TExES 268) Test Preparation or other approved TExES 268 Review.
4. Provide certificate showing a score of 260 or 80% on the CertifyTeacher.com Principal as Instructional Leader TExES 268 Practice Examination or other approved TExES 268 Practice Test.
5. Apply for certification and pay appropriate fees.
6. Maintain a leadership role on a campus sufficient to allow the candidate to complete the

practicum course requirements and provide necessary permission forms to allow students to complete the TExES 368 PASL requirements. Recommendation for certification will occur after the student has passed the TExES 268 and 368 Examinations.

Requirements for Master of Education-Educational Leadership without Certification

The Master of Education in Educational Leadership without principal certification is a 30-hour program designed for individuals who do not hold a Master of Education degree or related master's degree, and may be taken entirely online. Students will be responsible for completing all required coursework and successful portfolio defense. Students must obtain a minimum of a 3.0 ("B") for each course completed in the program. Credit will not be accepted for any course in the program for which students did not receive a 3.0 ("B"). This option is designed for students who are seeking administrative positions other than the principal or assistant principal positions. Students with a master's in Education with Specialization in Educational Leadership obtained from Sul Ross State University after Spring 2019 may return (subject to time deadlines) and obtain the Principal Certification by completing the Certification Practicums I, II, and III (ED7100, ED7101, and ED 7102). Additional coursework may be required if the Certification Program has undergone substantive curricula changes. NO credit will be given for courses older than five (5) years.

To receive the M.Ed. without certification, the student must complete each of the following:

Required Course Work: (30 sch)

- ED 5319 School Law
 - + ED 5330 Introduction to School Administration
 - + ED 5332 Educational Research I
 - ++ ED 5333 Educational Research II
 - ED 6312 Curriculum, Instruction & Assessment
 - ED 6315 Instructional Leadership: Planning, Implementation & Monitoring of the Instructional Program
 - ED 6320 School Support Services
 - ED 7304 Educational Leadership for Principals
 - ED 7309 Special Populations and Programs
 - ED 5302 The Principalship -.
- (See below description of field-based experience.)
- + Must be taken within first 6 hours
 - ++Must be taken within first 9 hours

Additional Program Requirements:

1. Hold a valid Texas provisional teaching certificate or evidence of equivalent preparation.
2. Have a minimum of two years teaching in a TEA accredited school.
3. Complete all coursework in a six (6) year period; earn no less than a 3.0 ("B") in each Ed. Leadership course.
4. File application and successfully defend the Portfolio in last semester of course work.

REQUIREMENTS FOR PRINCIPAL (CERTIFICATE ONLY)

Offered in Alpine

[List of University Courses](#)

Upon acceptance, a transcript review will be performed by the major advisor to determine proficiency. Additional coursework may be required if an acceptable level of proficiency is not demonstrated by previous coursework and experience. Students who have completed a Master's in Education with specialization in Educational Leadership may transfer courses into

this certification program that are the equivalent (as determined by the Educational Leadership Coordinator and Education Department) if previously obtained within the required time limits. Additional coursework may be required if the Certification Program has undergone substantive curricula changes. NO credit will be given for courses older than five (5) years. A student must obtain permission from their district and campus leadership to complete the certification practicum coursework before students will be accepted into the certification program. Students will be responsible for completing all required coursework, including 160-hours of practicum coursework, successful portfolio defense, university required practice and practice examination. Students must score a minimum of 80% or 260, whichever is higher, on a TExES 268 practice examination provided by CertifyTeacher.com or other representative TExES 268 test as designated in the Program Handbook and provide appropriate evidence. . Students must obtain a minimum of a 3.0 ("B") for each course completed in the program. Credit will not be accepted for any course in the program for which students did not receive a 3.0 ("B"). Students must complete the AEL and T-TESS trainings and provide the completion certificate to their advisor. Prior to recommendation for certification, students must pass the state-mandated certification examinations, the TExES 268 and 368 (PASL).

Students seeking certification-only as a principal must complete these course requirements: (27 sch)

- ED 5319 School Law
- + ED 5330 Introduction to School Administration
- ++ ED 5333 Educational Research II
- ED 6312 Curriculum, Instruction & Assessment
- ED 6315 Instructional Leadership: Planning, Implementation & Monitoring of the Instructional Program
- ED 6320 School Support Services – *This course must be taken with ED 7101*
- ED 7100 Practicum I – *Advisor Approval Required. Must be taken with ED 7304*
- ED 7101 Practicum – *Advisor Approval Required. Must be taken with ED 6320*
- ED 7102 Practicum III – *Advisor Approval Required. Must be taken with ED 6315*
- ED 7304 Educational Leadership for Principals – *Must be taken with ED 7100*
- ED 7309 Special Populations and Programs

(see below description of field-based experience)

- + Must be taken within the first 6 semester credit hours
- ++ Must be taken in the last semester

Additional Program Requirements:

1. Hold a valid Texas provisional teaching certificate or evidence of equivalent preparation. Have a minimum of two years teaching in a TEA accredited school.
2. Complete all coursework in a six (6) year period; earn no less than a 3.0 ("B") in each Ed. Leadership Course.
3. File application and successfully defend the Portfolio in last semester of course work.

Additional Certification Requirements:

1. Provide Certificate of Completion of AEL & T-TESS certifications RESC or other approved institution.
2. Purchase and complete Certify Teacher Principal as Instructional Leader Test Preparation (TExES 268) & review software or other approved TExES 268 review.
3. Provide Certificate showing completion of 6 hours of study in Certify Teacher Principal as Instructional Leader (TExES 268) Test Preparation or other approved TExES 268 Review.
4. Provide Certificate showing a score of 260 or 80% (whichever is higher) on the CertifyTeacher.com Principal as Instructional Leader TExES 268 Practice Examination or

other approved TExES 268 Practice Test.

5. Apply for certification and pay appropriate fees.
6. Maintain a Leadership Role on a campus sufficient to allow the student to complete the practicum course requirements and provide necessary permission forms to allow students to complete the TExES 268 PASL requirements.
7. CertifyTeacher.com Principal as Instructional Leader TExES 268 Practice Examination

Advisor/Student Interview

The student and major advisor will complete an interview regarding his/her potential career as a campus-based administrator. This informal interview will allow the advisor to place the student in the appropriate degree and/or certification plan and discuss any questions regarding the course of study. The interview can be held via telephone, Skype, or other synchronous communication.

Program Evaluation Process

Students will be monitored as they progress through the Educational Leadership Program. There are six major program benchmarks.

1. After completion of ED5330, Introduction to School Administration, ED5332 Educational Research I, ED5333 Educational Research II, ED7304, Educational Leadership, and ED6312 Curriculum, Instruction and Assessment, students will complete a comprehensive assessment on the change process. This assessment includes multiple choice and essay questions that ask students to demonstrate mastery of the elements of a targeted improvement plan for both Domain I and Domain II problem statements. Students must score an 80% on the Change Process test to demonstrate mastery.
2. As part of the ED7304 Educational Leadership course, students will create a plan outlining the steps to create a Professional Learning Committee or Leadership Team that includes planning, implementation, and monitoring steps.
3. As part of the ED6315 course, students will create a targeted improvement plan that addresses an identified need that will impact student achievement. This plan will include a plan for the implementation and monitoring steps.
4. As part of the ED6320 School Support Services course, students will create a Professional Development Plan tailored to a targeted improvement plan that addresses a prioritized problem, root cause(s) and a solution. Students will also prepare a budget and ensure in the plan that resources are in place for successful implementation. This plan will include a plan for the implementation and monitoring of the Professional Development.
5. At the conclusion of the Practicum, students will create and present a comprehensive Portfolio with work from all courses that demonstrates a mastery of each Domain and Competency. Students will be evaluated by a committee of Educational Leadership professors.
6. As part of the Practicum, students seeking Certification will take a CertifyTeacher practice examination and a Representative Practice Examination. Students must score an 80% on the Representative Test and a 260 on the CertifyTeacher practice examination to demonstrate mastery.

REQUIREMENTS FOR SUPERINTENDENT CERTIFICATE

Offered in Alpine

[List of University Courses](#)

Students who possess a Master's degree from an accredited institution who only seek certification as a Superintendent must complete these requirements.

1. Hold the equivalent of a valid Mid-Management or principal certificate.
2. Serve for at least three years in a Texas Education Agency accredited school.

3. Consult with Graduate Advisor.
4. Purchase and pass Certify Teacher Superintendent Preparation and Review material software.
5. Participate in an approved TExES review.
6. Pass the Superintendent TExES Examination (195) (see advisor for approval requirements).
7. Apply for certification and pay appropriate state fees.
8. Complete the prescribed 15 hours of course work consisting of these courses
 - ED 7306 Superintendent Leadership
 - ED 7308 The Superintendency
 - ED 7321 Superintendent/School Board Relations
 - ED 7322 Superintendent Finance Issues
 - ED 7311 Practicum in Superintendency I

All courses for superintendent certification must be completed at Sul Ross State University within a ten (10) year period. No transfer courses are permitted without advisor and department approval. With approval of the graduate advisor, a maximum of six (6) hours of course work may be substituted from graduate programs at Sul Ross State University. Students must successfully complete 6 semester credit hours each semester and the 3 sch, semester-long practicum during the second, and final, semester. ED 7306 and ED 7308 are taught in the Fall semester and ED 7321 and ED 7322 are taught in the spring semester. We do not currently offer superintendent certification courses in the summer sessions.

MASTER OF EDUCATION - EDUCATIONAL DIAGNOSTICIAN

Offered in Alpine

[List of University Courses](#)

A master's degree in Educational Diagnostician requires 30 semester hours in education for the handicapped, psychoeducational and diagnostic assessment, and resource areas. All coursework requires approval of the major advisor and must be completed within 6 years.

COURSE REQUIREMENTS

- ED 5306 Assessment of Individual Intelligence
- + # ED 5307 Graduate Research
- ED 5312 Advanced Survey, Exceptional Children
- ED 5320 **Assessment in Multi-Tiered Systems of Support**
- ED 5321 Foundations of Special Education Law
- ED 5325 Advanced Education Remediation
- + ED 5323 Appraisal of Educational Disabilities
- ED 6308 Advanced Human Growth & Development
- + ED 6314 Diagnosis and Remediation of Reading Disabilities
- + ED 7318 Practicum in Special Education

Required for degree; must be taken at Sul Ross within first 12 hours

+ Must be taken at Sul Ross State University - Alpine campus

With the approval of the Graduate Advisor, a maximum of six hours of equivalent course work may be substituted or transferred from an accredited institution.

For recommendation of certification, the applicant must:

1. complete the 30 SCH Diagnostician program, along with the practicum;
2. hold a valid Texas teaching certificate;
3. complete a minimum of three years teaching in a T.E.A. accredited school;
4. pass TExES Educational Diagnostician (153 or 253 after August 2020) examination (see advisor for approval requirements).

REQUIREMENTS FOR EDUCATIONAL DIAGNOSTICIAN (CERTIFICATION ONLY)

Offered in Alpine

[List of University Courses](#)

Students who possess a Master's degree from an accredited institution who only seek certification as an educational diagnostician must complete these requirements:

1. Have a Master's degree from an accredited institution of higher education or an equivalent degree approved by the Graduate Advisor
2. Hold a valid Texas teaching certificate or equivalent Consult with Graduate Advisor and file a certification plan
3. Complete the required 21 SCH hours of course work as shown below:

COURSE REQUIREMENTS

- +ED 5306 Assessment of Individual Intelligence
 - ED 5312 Advanced Survey, Exceptional Children
 - ED 5320 Assessment in Multi-tiered systems of support
 - ED 5321 Foundations of Special Education Law
 - +ED 5323 Appraisal of Educational Disabilities
 - ED 6314 Diagnosis and Remediation of Reading Disabilities
 - +ED 7318 Practicum in Special Education
 - + Must be taken at Sul Ross State University - Alpine campus
- Course substitutions or transfers for the certification only option are not allowed.

For recommendation of certification, the applicant must:

1. complete the 21 SCH Diagnostician program, along with the 160 clock hour practicum;
2. hold a valid Texas teaching certificate;
3. complete a minimum of three years as Teacher of Record in a T.E.A. accredited school;
4. pass TExES Educational Diagnostician (153 or 253 after August 2020) examination (see advisor for approval requirements).
5. Apply for certification and pay appropriate state fees.

MASTER OF EDUCATION - COUNSELOR EDUCATION

Offered in Alpine

[List of University Courses](#)

A master's degree in Counselor Education requires 48 semester hours from the Core **courses**. The Counselor Education program requires a grade point average of 3.0 or higher on a 4.0 scale with no course grade of a "C" being accepted., All course work must meet the course grade requirement of "B" or better. All course work requires approval of the major advisor and must be completed within 6 years. Students enrolled in the graduate level counseling program may be expected to meet with the Counselor Education faculty at any point during the program in order to evaluate progress.

Core (48 Hours)

- * ED 5307 Graduate Research
- ED 5313 Career Development and Life Planning
- ED 5314 Personality and Counseling Theories
- ED 5315 Assessment in Counseling
- ED 5322 Behavior Management
- * ED 6308 Advanced Human Growth and Development
- ED 6344 Counseling in a Multicultural Society
- ED 6345 Family Counseling
- ED 6346 Ethical and Legal Issues in Counseling

- ED 6347 Introduction to Play Therapy
- # ED 7301 Clinical Practice in Counseling
- ED 7302 Management of Guidance Counseling and Human Service Programs
- ED 7303 Techniques of Counseling
- ED 7315 Group Processes in Counseling
- # ED 7316A Practicum in Guidance and Counseling (*Must be taken at SRSU*)
- * ED 7323 Emotional Intelligence
- ED 7317 Internship in Guidance and Counseling (*Not a required course: Restricted to probationary certification candidates*)

* Must be taken at Sul Ross within the first 12 hours.

Must be taken in the final semester of degree coursework.

Students must consult with advisors in counseling before enrolling each semester.

REQUIRED FOR SCHOOL COUNSELOR CERTIFICATION

Offered in Alpine

(48 Hours from the Core)

[List of University Courses](#)

1. Complete the 48 sch School Counselor program;
2. have a master's degree;
3. have a minimum of three years teaching in a T.E.A. accredited school; and
4. pass the TExES examination (#152 School Counselor).

Courses required for Clinical Mental Health Counselors (Licensed Professional Counselor-LPC) include the 48 credit hours from the Core plus an additional 12 credit hours from the following courses. All course work requires approval of the major advisor.

- ED 6341 Psychopathology
 - ED 6342 Addictive Disorders
 - ED 7316B Practicum in Guidance and Counseling
 - ED 7320 Professional Issues and Ethics in Counseling
- Practicum is required.

Students interested in LPC licensure must contact the Texas State Board of Examiners of Professional Counselors in Austin, Texas, for requirements.

*** MASTER OF EDUCATION - READING**

ONLINE DELIVERY

Offered at Alpine, Del Rio, Eagle Pass, and Uvalde

[List of University Courses](#)

Master of Education Reading degree requires 30 semester hours. All coursework requires approval of the major advisor.

Course Requirements

(Transfer credits may be applied as applicable)

- *ED 5307 or EDUC 5301 Graduate Research or Research Methodology
- ED 5308 or EDUC 5308 Foundations of Literacy
- ED 5316 or EDUC 5316 Diversity in Public Education
or Teaching the Multicultural Learner
- ED 6308 or EDUC 6308 Advanced Human Growth and Development
- ED 6311 or EDUC 6311 Emergent Literacy and Language Development
or Advanced Language Acquisition and Literature

ED 6313 or EDUC 6313	Teaching Reading in the Content Areas
ED 6314 or EDUC 6314	Diagnosis and Correction of Reading Disabilities
ED 6317 or EDUC 6317	Organization and Supervision of Reading Programs
ED 6318	Literacy through Literature
ED 7312 or EDUC 7312	Practicum in Reading

* Must be taken within the first 12 hours.

Students must successfully complete a comprehensive exam as determined by Education Department

For certification the applicant must:

1. complete the 30 SCH Reading M.Ed. program;
2. hold a valid Texas teaching certificate;
3. hold a master's degree;
4. complete a minimum of three years teaching in a TEA accredited school;
5. purchase and pass Certify Teacher Preparation Software for Educator Certification (Exam 151) for applicants prior to Fall 2019, (Exam 251) for applicants Fall 2019-present;
6. apply for certification and pay appropriate state fees;
7. pass TExES Reading (151) examination for applicants prior to Fall 2019, pass TExES Reading (251) examination for applicants Fall 2019-present (see advisor for approval requirements).

READING SPECIALIST CERTIFICATION PLAN

Offered in Alpine

[List of University Courses](#)

Students who possess a Master of Education degree from an accredited institution and only seek certification as a reading specialist must complete 21 SCH of course work shown below:

ED 5308 or EDUC 5308 Foundations of Literacy

ED 6311 or EDUC 6311 Emergent Literacy and Language Development or Advanced Language Acquisition and Literature

ED 6313 or EDUC 6313 Teaching Reading in the Content Areas

ED 6314 or EDUC 6314 Diagnosis and Correction of Reading Disabilities

ED 6317 or EDUC 6317 Organization and Supervision of Reading Programs

ED 6318 Literacy Through Literature

ED 7312 or EDUC 7312 Practicum in Reading

For certification the applicant must:

1. complete the 21 SCH Reading Specialist course work;
2. hold a valid Texas teaching certificate or equivalent;
3. hold a master's degree;
4. complete a minimum of three years of classroom teaching;
5. purchase and pass Certify Teacher Preparation Software for Educator Certification (Exam 151) for applicants prior to Fall 2019, (Exam 251) for applicants Fall 2019-present;
6. apply for certification and pay appropriate state fees;
7. pass TExES Reading Specialist (151) examination for applicants prior to Fall 2019, pass TExES Reading Specialist (251) examination for applicants Fall 2019-present (see advisor for approval requirements).

Certification in Other States: Please consult your state certification specialist (see advisor for approval requirements).

* MASTER OF EDUCATION – GENERAL

Offered at Alpine, Del Rio, Eagle Pass, and Uvalde

[List of University Courses](#)

A master's degree in Education General requires 33 semester credit hours (SCH) from Resource & Electives and Area of Specialization. All coursework requires approval of the major advisor.

Course Requirements

(Transfer credits will be applied as applicable)

- | | | |
|---|-------------------------------|---|
| * | ED 5307, EDUC 5301 or ED 6376 | Graduate Research, Research Methodology,
Or Inquiry-Based Research Methods |
| | ED 5317 or EDUC 6315 | History, Philosophy and Trends in Education
Or Curriculum Theory and Development |
| | ED 5316 or EDUC 5316 | Diversity in Public Education |
| | ED 5319 or EDUC 5319 | School Law |
| | ED 6308 or EDUC 6308 | Advanced Human Growth & Development |

*Must be taken within the first 12 hours.

Plus 18 SCH from the Area of Specialization with advisor approval. Total 33 SCH.

MASTER OF EDUCATION – GENERAL WITH ALTERNATIVE CERTIFICATION

Offered in Alpine

[List of University Courses](#)

A master's degree in Education-General with Alternative Certification requires 30 semester credit hours (SCH) All coursework requires approval of the major advisor and must be completed within 6 years.

Course Requirements

- | | | |
|---|---------------------------------------|--|
| * | ED 5307 | Graduate Research |
| | ED 5305 | Technology in the Educational Setting |
| | ED 5310 | Organization and Structure of Public School Curriculum |
| | ED 5312 | Advanced Survey, Exceptional Children |
| | ED 5322 | Behavior Management |
| | ED 5360 | Professional Roles and Responsibilities |
| | ED 5361 | Teaching Diverse Learners |
| | <u>ED 6313</u> | Teaching Reading in the Content Areas |
| | Option 1: is a one year internship | |
| | ED 5300 Internship in Teaching I and; | |
| | ED 5301 Internship in Teaching II | |

OR

ED 5627 Clinical Teaching(6 sch)

*Must be taken within the first 12 hours,

MASTER OF EDUCATION WITH MAJOR IN COUNSELING

Offered at Del Rio, Eagle Pass, and Uvalde

Students pursuing the 60-hour master's degree in counseling are required to make official application to Rio Grande College Graduate Studies with the Office of Admissions and Records. Once the application is processed, the applicant must take the Graduate Record Examination (GRE). This must be accomplished within the first 12 hours of graduate coursework in the program. Students must make application to the Department of Education for an official degree plan. Students in the Counseling Program who are not certified to teach in Texas must pursue the 60 hour LPC Licensure only.

Common Foundation (9 hours) Required for all specialties

EDUC 5301 Research Methodology

EDUC 5315 Standardized Assessment Principles
EDUC 6308 Advanced Human Growth and Development

Counseling Core Courses (33 hours) Required for all specialties

EDUC 5313 Career Counseling
EDUC 5314 Personality and Counseling Theories
EDUC 6318 Multiculturalism and Diversity in Counseling
EDUC 6319 Psychopathology
EDUC 6321 Techniques of Counseling I
EDUC 6322 Techniques of Counseling II
EDUC 6333 Ethical, Legal & Professional Issues
EDUC 6340 Bilingual & Bicultural Counseling
EDUC 6344 Mindfulness-Based Approaches
EDUC 7302 Management of Counseling Programs
EDUC 7315 Group Counseling

Professional Counseling Specialty Courses

Child, Adolescent & School Counseling Emphasis (12 hours)

EDUC 6330 Play Therapy
EDUC 6332 Consultation for Prof School Counselors
EDUC 6342 Counseling for Crisis, Trauma & Disaster
EDUC 6346 Counseling At-Risk Youth

Couples & Family Counseling Emphasis (12 hours)

EDUC 6323 Marriage & Family Counseling
EDUC 6326 Advanced Strategies in Couples & Family
EDUC 6327 Marriage, Divorce & Family Mediation
EDUC 6364 Counseling and Human Sexuality

Community Mental Health Counseling Emphasis (12 hours)

EDUC 6320 Substance Use, Abuse, and Addiction
EDUC 6342 Counseling for Crisis, Trauma & Disaster
EDUC 6350 Counseling & the Neurosciences
EDUC 6352 Community Treatment Planning & Mental Health Advocacy

Gerontology & Counseling Older Adult Emphasis (12 hours)

EDUC 6350 Counseling & the Neurosciences
EDUC 6360 Assessment and Counseling of the Older Adult
EDUC 6362 Death, Dying, & Bereavement Counseling
EDUC 6366 Counseling & Spirituality

Practical Experience (6 hours)

EDUC 7316 Practicum in Counseling
EDUC 7317 Internship in Counseling
Total hours 60

This plan of study is valid at the time it is issued, however, in the event there are changes in curriculum in the department, college or mandates from professional certification and licensing bodies, this plan will be adjusted to meet any and all new standards and requirements.

DEPARTMENT OF FINE ARTS AND COMMUNICATION

College of Arts and Sciences

Office: Fine Arts Building 106

Phone: (432) 837-8218

E-mail: mscott3@sulross.edu

Assistant Professor and Chair: Marjorie Scott, M.F.A.

Professors: Carol H. Fairlie, M.F.A.

Associate Professor: Avram Dumitrescu, M.A.A., Ross Fleming, M.F.A., Karrin Ford, Ph.D. and Joseph G. Velasco, Ph.D.

Assistant Professors: Andrew Alegria, D.M.A., Carolyn Barrientes, M.F.A., Jeffery Meyer, D.M.A., Bret Scott, M.F.A., Gregory Tegarden, M.F.A. and Mary-Elizabeth Thompson, D.M.A.

Program Description

The Department of Fine Arts and Communication, comprising the academic disciplines of art, communication, journalism, music and theatre, offers the following degrees and teacher certifications:

Bachelor of Arts: Communication

Bachelor of Fine Arts: Art and Theatre

Bachelor of Music

Master of Arts: Art

Teacher Certification: Art, Communication, Music and Theatre

Graduate course work is offered in Art, Communication, Music, and Theatre.

The Department of Fine Arts and Communication, which firmly supports Sul Ross State University's "student-centered campus" philosophy, offers students invaluable "hands-on" training and opportunities through its various courses and activities. Through their all-encompassing curricula, the programs in art, communication, music, and theatre prepare their students for the graduate and/or professional world: as educators, as artists, as performers, as technicians, etc.

The Department serves as one of the primary cultural centers for the Big Bend region of West Texas. Therefore, the Department's four programs offer a broad range of creative activities, including student and professional art shows, vocal and instrumental concerts, television, film and radio productions, year-round theatrical productions, and radio theatre.

All students are eligible to join the eight honorary societies, and clubs that are sponsored by the Department of Fine Arts and Communication.

Honorary societies include Lambda Pi Eta (the national communication honorary society), Alpha Psi Omega (the national theatre honorary society), and Kappa Pi (the national art honorary society). Student organizations include the Art Club (for students whose interests lie in the visual arts), the Music Club (for students who wish to promote the activities of the Music Program), the Sul Ross Theatrical Society (for all students interested in theatre arts), and the Video Club (for students interested in producing independent video/film projects).

Features

The Department of Fine Arts is located in the Francois Fine Arts Building, with the main office and the chair's office in FAB 106. Departmental facilities located in the Fine Arts Building include the band hall (FAB 100), the art gallery (FAB 102), the costume shop (FAB104), the Studio Theatre (FAB105), the choir room (FAB 200), the television production studio (FAB 205), the radio station and production room (FAB 206), the computer lab (FAB 207), as well as several classrooms, music practice rooms, and faculty offices. Additionally, the Department has a scene shop, located at the Kokernot Outdoor Theatre, and a ceramics and sculpture annex, located to the east of the Industrial Technology Building. Sul Ross State University has four performing spaces: Marshall

Auditorium (a 700 seat proscenium facility), the Studio Theatre (a 120 seat proscenium facility), the Kokernot Outdoor Theatre (a 200 seat modified, outdoor proscenium theatre), and the Kokernot Amphitheatre (a 100+ seat natural amphitheatre). State-of-the-art lighting, sound and rigging have recently been installed in Marshall Auditorium and the Studio Theatre. The Kokernot Outdoor Theatre and Amphitheatre have been designated by the Texas Commission on the Arts as part of Alpine's State Cultural District.

GRADUATE PROGRAM IN ART

Master of Arts in Art: Degree in Studio Art or Art History

Offered at Alpine

(36 hours)

The MA in Studio Art prepares students to teach and work in the field, community art colleges, art museums and community-based art programs. Students entering this program are expected to have a BA or BFA in Art, at least 30 hours in core and advanced studio art and 6 - 9 hours of core art history classes. They must have achieved competencies in the foundational skills of drawing and design and have a 2-d or 3-d specialization. The masters of Art core outcomes are based on standards developed by NASAD and by CAA (College Arts Association) Through the MA core art coursework, all students must take a contemporary art history class, a special topics in art history and a pedagogical class on teaching methods at the college level. The main body of the MA coursework focuses on proficiency in a specific area of specialization. Students must also have 3 graduate classes in a minor area. In art history, this becomes a topical field relating to their area of interest. Students are required to demonstrate their professional readiness through the development of Final Thesis or Problem in Lieu of thesis proposal and a Final Thesis Project or capstone. All students receiving an MA in Art must also pass a comprehensive written and oral exam.

DEPARTMENT OF HOMELAND SECURITY AND CRIMINAL JUSTICE

College of Education and Professional Studies

Office: Morelock Academic Building, 109

Phone: (432) 837-8166

Chair and Associate Professor: Oguzhan Basibuyuk, Ph.D.

Assistant Professor: Ismail Dincer Gunes, Ph.D.

Lecturer: Liza Ware M.S., Thea Glenn M.S.

Program Description

The Homeland Security and Criminal Justice degree programs are designed to meet the needs of students pursuing a career in several areas of the criminal justice system. Students can choose a Master of Science degree in Criminal Justice or a Master of Science degree in Homeland Security, which will qualify graduates for employment in many public service professions.

GRADUATE PROGRAM IN CRIMINAL JUSTICE (CJ)

Offered in Alpine

The Master of Science degree with a major in Criminal Justice is offered to serve the needs of several different groups of students: (1) pre- and in-service criminal justice personnel seeking a career-enhancing education; (2) those interested in teaching or research in the profession or higher education; and (3) those interested in preparing for a doctoral degree.

The degree program may be tailored to meet the needs of individual students. This program is a 36-semester credit hour (SCH) degree. In addition to general courses, there are specialized courses for those interested in law enforcement, corrections or professional field activity and research. A large number of electives are available from political science graduate courses for those interested in general public administration or political science perspectives. Graduate level electives are also available from other disciplines with the prior approval of the Graduate Coordinator.

Master of Science in Criminal Justice

(36 hours)

In addition to meeting the university-wide requirements for all Master's degree programs found in this catalog, all students must (1) complete the required core (12 SCH); (2) complete an appropriate number of electives, and (3) successfully complete the comprehensive examination.

- I. Required Core. Students must complete the following 12 SCH core:

CJ 5315 Seminar in Courts and Judiciary
CJ 5318 Seminar in Criminal Justice Theories
CJ 5325 Graduate Seminar
CJ 5334 Methods of Social Research

- II. Electives: In addition to the 12 SCH required core, students must complete 24 hours of graduate level Criminal Justice electives for a total of 36 SCH.

Required Core	12 SCH
Graduate Level Criminal Justice Electives	24 SCH

Total 36

Outside electives: With prior approval from the graduate Coordinator, students may select electives from other departments in order to fulfill the outside elective requirement.

A maximum of 12 SCH credit hours from any other university or department at Sul Ross State University will be applied to the graduate degree requirements. Existing transfer credits will be

evaluated at the time of admission. Students enrolled in the Master of Science in Criminal Justice program are required to gain written approval from the Graduate Coordinator prior to enrollment in any courses or programs at other universities if the student wishes to transfer these credits to their degree plan. All transfer credits accepted for the degree plan must have a grade of B or better.

No student will be permitted to substitute any transfer course for CJ 5325. Substitutions for CJ 5318 or 5334 are not generally approved; however, a student may present a syllabus and course description for review by the Graduate Coordinator.

GRADUATE PROGRAM IN HOMELAND SECURITY (HS)

Offered in Alpine

The Master of Science degree with a major in Homeland Security serves the needs of students who are (1) pre- and in-service criminal justice personnel seeking a career-enhancing education; (2) those interested in teaching or research in the profession or higher education; and (3) those seeking positions in government service in the many agencies under the Homeland Security umbrella.

The degree program may be tailored to meet the needs of individual students. This program is a 36-semester credit hours SCH non-thesis degree. A specialized set of courses has been designed to give the student a well-rounded education in all areas of Homeland Security including crisis management, terrorism, weapons of mass destruction, and immigration issues. A large number of electives are also available from political science graduate courses for those interested in general public administration or political science perspectives. Graduate level electives are also available from other disciplines with the prior approval of the Graduate Coordinator.

Admission Requirements

In addition to the university-wide requirements for admission to a Master's program council in this catalog, there are special requirements for this program. While holding an undergraduate degree in Criminal Justice is not required for admission, background familiarity with the field and additional basic skills are highly recommended.

Students pursuing a second master's degree must present the same background as undergraduates, and might be able to have a maximum of 12 SCH of graduate work from the completed degree program credited toward this degree. This will occur only after full admission to this program has been granted by the Director of Admissions and the Chair of the Criminal Justice Department.

For information on graduate assistantships, or other matters please contact:

Homeland Security and Criminal Justice Department
SRSU Box C-12
Alpine, TX 79832
(432) 837-8166

Master of Science in Homeland Security

In addition to meeting the university-wide requirements for all Master's degree programs found in this catalog, all students must (1) complete the required core (12 SCH); (2) complete 12 SCH from the set of designated electives; (3) complete 12 SCH of other electives, and (4) successfully complete the comprehensive examination.

I. Required Core. 12 SCH:

CJ 5323 Homeland Security
CJ 5327 Graduate Seminar in Homeland Security
CJ 5334 Methods of Social Research
CJ 5340 Policy Making in CJ

II. Designated Electives. 12 SCH:

Choose 12 SCH from the following:

- CJ 5322 Immigration Issues
- CJ 5328 Seminar on Transnational Crimes
- CJ 5329 Seminar in Emergency Management and Disaster Preparedness
- CJ 5330 Emerging Issues in Homeland Security
- CJ 5336 Seminar on Domestic Terrorism
- CJ 5337 Seminar on International Terrorism
- CJ 5360 Seminar in Cybercrime
- CJ 5361 Seminar in Criminal Profiling
- CJ 5362 Criminology of Cybercrime
- CJ 5363 Cybercrime Law and Policy
- CJ 5364 Seminar in Cyber Warfare
- CJ 5365 Seminar in Cybercrime Investigation

III. Other Electives. 12 SCH:

Students will select 12 SCH of electives from graduate level courses in Criminal Justice or Political Science/Public Administration, or may select courses in other subjects with approval of the Graduate Coordinator. A maximum of 12 SCH credit hours from any other university or department at Sul Ross State University will be applied to the graduate degree requirements. Existing transfer credits will be evaluated at the time of admission. Students enrolled in the Master of Science in Criminal Justice program are required to gain written approval from the Graduate Coordinator prior to enrollment in any courses or programs at other universities if the student wishes to transfer these credits to their degree plan. All transfer credits accepted for the degree plan must have a grade of B or better.

No student will be permitted to substitute any transfer course for CJ 5327. Substitutions for CJ 5323 or 5334 are not generally approved; however, a student may present a syllabus and course description for review by the Graduate Coordinator.

Other Graduate Program Requirements

Comprehensive Exam

All graduate students must pass a comprehensive exam at the end of their graduate studies. Comprehensive exams are designed to demonstrate how well the student has integrated the knowledge gathered throughout their studies in the master's program. While the questions come from specific areas, they generally reflect broader issues than what a student will find in a single class.

Students may attempt the comprehensive exams only if they have been admitted to candidacy and only during the last semester of their graduate studies. The student will be permitted access to the practice exams throughout the last semester of study and will take the actual exam at some point during the last 3 weeks of the semester – to be scheduled through the Graduate Coordinator.

Exams will consist of 300 multiple-choice questions divided into the 3 core subject areas (100 questions per area) represented by the required core courses on the degree plan. Students must score a minimum of 75% on each of the 3 sections to pass. This score is not cumulative.

For the CJ or CJ/PA degrees, the comprehensive exams will cover Theory, Research Methods and Courts/Legal subjects. For the HS or HS/PA degrees, the comprehensive exams will cover Homeland Security, Research Methods and Policy subjects.

If a student does not pass all the sections of the Comprehensive Exam the first time, they must retake the failed section(s) of the exam a second time, at a time to be scheduled through the Graduate Coordinator. A student who fails their second attempt on any section

of the comprehensive exam may petition (must show significant cause) the Graduate Coordinator for a third attempt. The student can expect one of 3 outcomes from their petition:

1. Student will be required to take remedial course work – to be determined in consultation with the CJ faculty – before taking the exam again.
2. Student will be allowed to take the exam a third time with no other requirements.
3. Student will not be allowed to take the exam again and will be removed from the program.

Students who do not take the comprehensive exams during their last semester of study will not be permitted to graduate until this exam is taken and passed. Any student sitting out a semester (not enrolling in courses for their program of study) will be required to apply to the university for readmission to the program. Readmission will require taking at least one graduate level course, to be chosen in consultation with the Graduate Coordinator, during the semester for which the student is readmitted. The student must complete this course with a grade of B or better and complete the comprehensive exams during this semester in order to graduate.

For further information on graduate admissions, comprehensive examinations and other admissions and graduation requirements see "Academic Regulations for Master's Degree Programs" in this catalog and the Homeland Security and *Criminal Justice Graduate Handbook*.

DEPARTMENT OF KINESIOLOGY AND HUMAN PERFORMANCE

College of Education and Professional Studies

Graves Pierce, 101

Office: (432) 837-8120

Fax: (432) 837-8234

E-mail: christopher.herrera@sulross.edu

Chair and Assistant Professor: Christopher Herrera, Ph.D., M.B.A.

Assistant Professor: Billy Jack Ray, Ed.D.

Lecturer: Logan Frey, M.S., CSCS

The Department of Kinesiology is located within the Graves-Pierce Complex, which houses facilities for academic program as well as recreation, wellness and intramurals including an indoor swimming pool, two collegiate size gymnasiums, an aerobics/dance room, a wellness room, a free weight room, racquetball courts, a sauna and a whirlpool. There are also tennis courts, a football stadium, an all-weather track, baseball fields, softball fields and intramural fields for soccer, and disc golf on campus.

MASTER OF SCIENCE IN HEALTH AND HUMAN PERFORMANCE

Offered via Distance Education (100% online degree)

Program Coordinator: Christopher Herrera, Ph.D., MBA

Office: (432) 837-8375

E-mail: christopher.herrera@sulross.edu

Graduate study is offered through the Department of Kinesiology and Human Performance leading to the Master of Science in Health and Human Performance (HHP) degree. The HHP program is a thirty (30) hour graduate program to accommodate interested individuals with the desire to work in a health or sports setting. Courses are eight weeks (or five weeks in the summer) with the a fast-track option permitting up to two courses per eight-week session, or four courses per semester (Note: This 'fast-track' option is only available to students granted full admission and in good academic standing). All courses must be selected with the advice and approval of the Program Coordinator. Students holding a 3.0 GPA or higher after taking 24hrs of coursework in the program are eligible to take the comprehensive exam and the final six-hour practicum required to graduate. No more than twelve (12) hours of graduate transfer work may be counted on the degree.

DEPARTMENT OF LANGUAGES AND LITERATURE

College of Arts and Sciences

Office: Morelock Academic Building, 114

Phone: (432) 837-8151

Fax: (432) 837-8714

E-mail: lbutler@sulross.edu

Professor and Chair: Laura Payne, Ph.D.

Professor Emeritus: Nelson Sager, Ph.D.

Professors: Kathy Stein, Ed.D.

Associate Professors: Ian Peddie, Ph.D., Francine Richter, Ph.D. and Filemón Zamora, Ph.D.

Assistant Professors: Theron Francis, Ph.D. and Rosemary Briseño, Ph.D.

Lecturers: Ilda Gonzalez, M.A., Susan Spring, M.A., and Julie Vega, M.A.

Program Description

The Department of Languages and Literature offers coursework leading to a Master of Arts degree in English.

GRADUATE PROGRAM IN ENGLISH

Offered in Alpine

The graduate program in English is designed to meet the needs of students who wish to teach at the high school and community college levels; students who wish to pursue a Ph.D. in English; and students who desire to specialize in creative writing. A variety of options is available to assist students in achieving their objectives:

- the 36 SCH English program option (36 SCH English courses);
- the major/minor program option (24-30 SCH in English; 6-12 SCH in another enhancing field/area;
- the thesis option in literature or writing (24 SCH English; 6 SCH thesis);
- the portfolio option in creative writing (33 SCH English; 3 SCH portfolios).

All graduate students, regardless of option, must complete 6 SCH in English literature, 6 SCH in American literature, and 6 SCH in language/writing/theory. In addition, all graduate students must pass a comprehensive M.A. exam near the end of their studies. Thesis students must provide an oral defense of the thesis.

The graduate faculty can guide students who wish to focus on American and English literature, creative writing, as well as literary and composition theory. The faculty includes those who specialize in language and theory, cultural and gender studies, environmental studies, and creative writing.

DEPARTMENT OF NATURAL RESOURCE MANAGEMENT

College of Agricultural and Natural Resource Sciences

Office: Everett. E. Turner Range Animal Science 111

Phone: (432) 837-8488

E-mail: nrm@sulross.edu

Website: <http://www.sulross.edu/natural-resource-management>

Associate Professor and Chair: Ryan S. Luna, Ph.D.

Professors: Louis A. Harveson, Ph.D., Patricia Moody Harveson, Ph.D.,

Robert J. Kinucan, Ph.D., and Bonnie J. Warnock, Ph.D.

Assistant Professors: Ryan O'Shaughnessy, Ph.D.

Lecturer: Richard Mrozinski, M.S

The Department of Natural Resource Management offers a Master of Agriculture degree (non-thesis) in Natural Resource Conservation; a Master of Science degree (thesis and non-thesis) in Range and Wildlife Management, and a cooperative program to earn a Ph.D. in Wildlife Science or Rangeland Ecology through Texas A&M University.

The Department of Natural Resource Management educates students in the art and science of applying ecological knowledge and business practices to manage natural resources. Our goal in the Department of Natural Resource Management is to provide the best education and training available for future natural resource managers. We meet this goal with a curriculum solidly grounded in scientific principles that stresses **hands-on experience**.

The department advises the nationally award-winning Sul Ross Chapter of the Wildlife Society, the Sul Ross Chapter of the Society for Range Management which meet as the Range and Wildlife Club, and the Sul Ross Chapter of the Society for Conservation Biology. Our clubs are very active on campus, within the community, and with state and national professional organizations and have frequently been recognized over the years for their accomplishments and involvement. Student organizations are an important part of your collegiate experience and contribute significantly to personal and professional development.

Features

The Department of Natural Resource Management is located in the Everett E. Turner Range Animal Science Center. Facilities located at the RAS Center include a soils dry lab, soils and nutrition wet lab, game bird specimen collection, plant collections, greenhouse, Natural Resource Management Spatial Technologies Computer Lab, Range and Wildlife Field Unit at Elephant Mountain Wildlife Management Area, the 14,700-acre Sierra Blanca Ranch, the donated lease of approximately 60,000 acres on the O2 Ranch from Lykes Bros. Inc., Bill and Margo Adams Big Game Trophy Collection, and a small ranch located adjacent to the Center.

The department actively participates in memorandums of understanding with the Texas Parks and Wildlife Department, Texas Agricultural Extension Service, Texas General Land Office, Natural Resources Conservation Service, National Park Service, Bureau of Land Management, U.S. Forest Service and USDA Soil Survey. We interact with many private, state and federal organizations that provide numerous educational and employment opportunities. In addition, Sul Ross State University is in the heart of one of the greatest outdoor laboratories in the world including Big Bend National Park, Davis Mountains State Park, Big Bend Ranch State Park, Elephant Mountain Wildlife Management Area, Ocotillo Wildlife Management Area, Sierra Diablo Wildlife Management Area and Black Gap Wildlife Management Area, and many privately owned ranches that participate with the department. We help you take advantage of this natural laboratory through field trips, class projects and undergraduate and graduate research opportunities. Together, this background provides the opportunity to gain a thorough, well-rounded education. Our undergraduate students often have the opportunity to assist and

participate in graduate and faculty research projects, which provides first-hand experience in the science of natural resource management.

GRADUATE PROGRAMS IN NATURAL RESOURCE MANAGEMENT

Offered in Alpine

The Department of Natural Resource Management offers programs of study leading to the Master of Science degrees (thesis and non-thesis) in Range and Wildlife Management and Master of Agriculture (non-thesis) degree in Natural Resource Conservation,, depending on an individual's educational objectives. Programs in Natural Resource Management emphasize, through the mastery of advanced technology, methods of improving and/or better utilizing natural resources. The graduate program is designed to prepare students for advanced educations (Ph.D.) and for careers in teaching, extension, research, management, and other occupations requiring the higher-level capabilities of a resource manager/scientist. Offerings in collateral fields enable the student to develop a program tailored to their particular needs and interests. GRE scores of 290 (verbal and quantitative) are required for full admission to the M.S. thesis program. GRE scores of 280 (verbal and quantitative) are required for full admission to the M.S. non-thesis program. Additional requirements for all graduate options include a letter of intent, a resume, and two letters of recommendation from outside the department. Departmental GPA requirements are the same as general admission requirements outlined for the university. The Department of Natural Resource Management has a formalized cooperative agreement with Texas A&M University (TAMU) to offer a Ph.D. in Wildlife Science (through the Department of Wildlife and Fisheries Science at TAMU) and Rangeland Ecology (through the Department of Ecosystem Science and Management at TAMU). Details on the Cooperative Ph.D. Program can be requested from the NRM Chair.

Master of Science (Thesis) Range and Wildlife Management - 30 hours

The Master of Science program of study for the Range and Wildlife concentration must include the following courses:

NRM 5302 Seminar in Range and Wildlife Management (must take two sections with unique course titles)

NRM 5305 Range and Wildlife Research Methods

NRM 5306 or GEOL 5402 or GEOL 5403 GIS, GPS and Remote Sensing for Resource Managers, or Interdisciplinary GIS or Advanced GIS (Course selection dependent on skill level and approval of Graduate Committee)

NRM 5311 Scientific Writing

NRM 5312 Bio-statistical Analysis I

NRM 5313 Bio-statistical Analysis II

NRM 6301 Thesis Proposal

NRM 6302 Thesis Defense

Plus 2-3 additional graduate credit hours.

Students will enroll each semester or summer term in which assistance is provided by graduate committee members or when use of the library or other research facilities of Sul Ross State University is made. Students must enroll full time in any session that they are receiving an assistantship, either for teaching or research. NRM 5316 Project Research is a variable hour course that students will take when conducting research for the thesis project. NRM 6301 and NRM 6302 enrollment is considered full time for the semester enrolled.

Master of Science (Non-thesis) Range and Wildlife Management-30 hours

The Master of Science (non-thesis) program of study for the Range and Wildlife concentration must include the following courses:

NRM 5302 Seminar in Range and Wildlife Management (must take two sections with

unique course titles)

NRM 5304 Research (summer session only)

NRM 5305 Range and Wildlife Research Methods

NRM 5306 or GEOL 5402 or GEOL 5403 GIS, GPS and Remote Sensing for Resource Managers, or Interdisciplinary GIS or Advanced GIS (Course selection dependent on skill level and approval of Graduate Committee)

NRM 5311 Scientific Writing

NRM 5312 Bio-statistical Analysis I

NRM 5313 Bio-statistical Analysis II

Plus 5 additional graduate credit hours selected with the help of your advisory committee. In addition, each M.S. (Non-thesis) candidate must complete a Record of Study based upon their experiences in NRM 5304.

Students will enroll each semester or summer term in which assistance is provided by graduate committee members or when use of the library or other research facilities or Sul Ross State University is made. Students must enroll full time in any session that they are receiving assistantship, either for teaching or research.

Students wishing to pursue a Master of Science (Non-thesis) in Range and Wildlife Management with an Agribusiness focus will take the following courses:

NRM 5303 Special Topics (must take two sections with unique course titles focused on Agribusiness Management)

NRM 5304 Research (summer session only)

NRM 5306 or GEOL 5402 or GEOL 5403 GIS, GPS and Remote Sensing for Resource Managers, or Interdisciplinary GIS or Advanced GIS (Course selection dependent on skill level and approval of Graduate Committee)

NRM 5311 Scientific Writing

NRM 5312 Bio-statistical Analysis I

NRM 5313 Bio-statistical Analysis II

Select 3 courses from the following based on Graduate Committee recommendation:

ACC 5307 Accounting for Management

ECO 5303 Managerial Economics

MGT 5312 International Management

MKT 5303 International Marketing

GBA 5301 Business Strategy

Students will enroll each semester or summer term in which assistance is provided by graduate committee members or when use of the library or other research facilities or Sul Ross State University is made. Students must enroll full time in any session that they are receiving assistantship, either for teaching or research

Master of Agriculture (Non-thesis) Natural Resource Conservation -30 hours

The Master of Agriculture program of study for Natural Resource Conservation can be completed as a totally web based option or as a mix of web based and in person courses, with up to 3 courses (9 hours) being completed in person, with the approval of the Graduate Committee.

Students will select 30 hours from the following with the help of their advisory committee. If a student desires to take in-person classes they will work with their advisory committee on course selection prior to enrollment.

NRM 5303 Special Topics, may be repeated under different course titles

NRM 5320 Environmental Law and Policy

NRM 5321 Wildlife and Society

NRM 5322 Sustainability

NRM 5323 Social Media and Outreach

NRM 5324 Conservation Biology
NRM 5325 Natural Resource Conservation
NRM 5326 Silviculture
NRM 5327 Soils
NRM 5328 Principles of Game Management
NRM 5329 Internship
ANSC 5322 or NRM 5312 Statistics
ANSC 5308 Principles of Teaching Adult Learners (W)

Students will enroll each semester or summer term in which assistance is provided by graduate committee members or when use of the library or other research facilities of Sul Ross State University is made.

GRADUATE PROGRAM IN LIBERAL ARTS

Offered in Alpine

College of Graduate Studies

E-mail: lbutler@sulross.edu

Liberal Arts Advisor: Laura Payne, Ph.D.

Program Description

The Master of Arts in Liberal Arts is an individualized program designed for the graduate student who wishes to pursue interdisciplinary studies. Such a program encourages students to consider issues and problems in society, culture, literature, science, art, and/or communication. Students will develop comprehensive contexts for Scholarly work and appropriate methodologies for such studies.

Graduate students in Liberal Arts may earn a Master of Arts degree by selecting 33 hours of graduate courses from three disciplines (programs) with the approval of their major advisor and committee. Two of the three disciplines must be from the College of Arts and Sciences. The discipline with the greatest number of semester credit hours is required to be a discipline in the College of Arts and Sciences. In addition, students will complete LA 5101 and LA 5301, LA 5101 and LA 5301 may not be taken concurrently.

- [List of University Courses](#)

At the time of entrance into the program each student must complete a degree plan with a Liberal Arts advisor and select a committee based on the student's areas of interest. Leveling work may be required in some disciplines.

THE FACULTY – *Alpine Campus*

Andrew Alegria

Assistant Professor of Music

B.M., 2003, Baylor University; M.M., 2012, University of New Mexico; D.M.A., 2018, Louisiana State University

Carolyn Barrientes

Assistant Professor of Theatre

B.A. 1987, University of Texas at Austin; M.F.A., 2000, University of Iowa

Oguzhan Basibuyuk

Chair & Professor of Homeland Security and Criminal Justice

B.A., 1997, Turkish National Police Academy; M.A., 2003, Gazi University; Ph.D., 2008, University of North Texas

Anirban Bhattacharjee

Assistant Professor of Physics and Astronomy

Bachelor of Technology, 2004, Visveswaraiah Technological University; M.S., 2010, Ph.D., 2014, University of Wyoming

Jamie A. Boyd

Assistant Professor of Animal Science

B.S., 2000, Berry College; M.S., 2006, Ph.D., 2009, University of Georgia

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Assistant Professor of English

B.A., 1997, University of Texas at Austin; M.A., 2000, Sul Ross State University; Ph.D., 2008, Washington State University

Angela Brown

Associate Professor of Mathematics

A.S., 2000, Lee College; B.S., 2003, Sam Houston State University; M.S., 2006, Sam Houston State University; Ph.D., 2012, University of Texas at Arlington

Eric Busby

Assistant Professor of Industrial Technology

B.Arch., 2001 Prairie View A&M University; M.B.A., 2006 Texas Woman's University; M.S., 2015 Texas Tech University; Ph.D., 2019 Texas Tech University

Jim D. Case

Professor of Political Science and Public Administration

A.A., 1968, Amarillo College; B.A., 1970, Baylor University; M.A., 1973, Ph.D., 1984, Texas Tech University

Sandra S. Chambers

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B.S., 1986, M.Ed., 1997; Sul Ross State University

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Dean of the College of Arts and Sciences and Professor of Psychology

B.S., 1986, Indiana State University; M.A., 1989, Ph.D., 1991, University of Colorado at Boulder

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B.A., 1999, University of Ulster at Belfast; M.A., 2004, University of Ulster at Belfast

Scott A. Ericsson

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B.S., 1983, Colorado State University; B.A., 1985, San Francisco State University; M.S., 1987, Ph.D., 1991, University of Nevada, Reno

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Ross Flemming

Associate Professor of Theatre/Technical Director

B.A. 1996, Stephen F Austin; M.F.A. 2005, Texas Tech University

Karrin Ford

Associate Professor of Music

B.M., 1974, Nebraska Wesleyan University; M.M., 1878, Ph.D., 1991, University of Nebraska

Theron Francis

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B.A., 1987, Northern Michigan University; M.A., 1994, Northern Arizona University; Ph.D., 2007, Purdue University

Logan Frey

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B.S., 2014, University of Mary Hardin-Baylor; M.S., 2017, Georgia Southern University

Eric T. Funasaki

Associate Professor of Mathematics

B.S., 1990, Harvey Mudd College; M.S., 1992, University of Washington; Ph.D., 1997, University of Tennessee, Knoxville

Pete P. Gallego

President, Lecturer in Political Science

B.A., 1982, Sul Ross State University; J.D., 1985, The University of Texas at Austin

Christopher Garcia

Lecturer in Reading

B.A., 1998, M.A., 2000, Sul Ross State University

Eva Gill

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B.A., 1997, Russell Sage College; M.F.A., 2009, Case Western Reserve University

Thea F. Glenn

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B.S., 2000, Saint Leo University; M.S., 2008, Strayer University

Carlos E. Gonzalez

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B.S., 2011 Texas A&M University Kingsville; M.S., 2015 Sul Ross State University; Ph.D., Texas A&M University

Ilda N. Gonzalez

Lecturer in Spanish

B.A., 1973, Sul Ross State University; M.A., 2001, University of Texas at San Antonio

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B.A., 2007; Ph.D., 2012, University of Sydney

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B.A., 2000, M.S., 2006, Georgia State University; Ph.D., 2010, Auburn University

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B.S., 2015, University of Guelph; Ph.D., 2019, University of Calgary

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Alex M. Hardison

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Professor of Natural Resource Management and Director of Borderlands Research Institute for Natural Resource Management

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BA, 1978, M Ed-Counseling, 1987, M Ed-Mid Management, 1991, Angelo State University; ABD, PhD, Texas Tech University.

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B.S., 1996, University of Arizona; M.S., 2000, University of New Mexico

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Instructor of Natural Resource Management

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B.S., 2003, B.S., 2006, M.S., 2007 University of Witwatersrand, Ph.D. 2014, Southern Illinois University

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B.S., 1986, Fort Valley State University; M.S., 1997, Purdue University; Ph.D., 2001, Purdue University; Post Doc Studies., 2011, Harvard University School of Education

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B.A., 2010, Stephen F. Austin, M.A., 2014. Ph.D., 2016 University of Houston

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B.A., 1990, M.A., 1995, San Diego State University; Ph.D., University of California at San Diego

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A.A., 1981, Grand Rapids Junior College; B.S., 1983, M.S., 1986, Central Michigan University; Ph.D., 1992, Ohio State University

MIDDLE RIO GRANDE COLLEGE FACULTY

Ana S. Acevedo

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Efrain Adames

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B.A., 1983, InterAmerican University; M.P.A., 1986, University of Texas at Austin

Tiffany F. Culver

Associate Professor of Psychology

B.A., 2000, New Mexico State University; M.S., 2002, Ph.D., 2008, Mississippi State University

Christopher B. Davis

Associate Professor of History

B.A., 2004, Samford University; M.A., 2006, University of Alabama at Birmingham; M.A., 2009, Ph.D. 2013, Rice University

Daniel H. Foley III

Professor of Biology, Chair, Department of Natural & Behavioral Sciences

B.S., 1991, M.S., 1994, Texas A&M University; Ph.D., 2002, Utah State University

Samuel Garcia

Associate Professor of Education

B.A., 2004, M.Ed., 2008, Sul Ross State University; Ph.D., 2014, St. Mary's University

Maria G. Gear

Associate Professor of Education

B.S., 1987, University of Texas at Austin; M.Ed., 1998, Sul Ross State University;

Ed.D., 2011, University of Texas at San Antonio

Geraldine M. Goosen

Associate Professor of Nursing and Director of Nursing Program

B.S.N., 1970, Drury College, M.S.N., 1974, Texas Women's University; Ph.D., 1985, University of Arizona

Jorge A. Hernandez

Professor of History

B.A., 1989, MA, 1992, Ph.D., 1995, Texas Christian University

Méndez-Maqueo, Verónica

Professor of Spanish

B.A., 1988, Universidad Nacional Autónoma de México, Mexico; M.A., 1991, Universitat Autònoma de Barcelona, Spain; Ph.D., 2004, Universidad Nacional Autónoma de México, Mexico

Thomas L. Matula

Associate Professor of Business Administration

Bachelor of General Studies, 1983, New Mexico Institute of Mining and Technology; M.B.A., 1986, New Mexico State University; Ph.D., 1994, New Mexico State University

Edison P. Moura

Professor of Business Administration, Chair, Department of Business Administration

B.S., 1978, M.B.A., 1980, Brigham Young University; D.B.A., 2007, Argosy University

Miriam Muñiz-Quiz

Professor of Education and Chair, Department of Education

B.S., 1983, University of Texas at Pan American University; M. Ed., 1995, Sul Ross State University; Ph.D., 2000, New Mexico State University

Patricia A. R. Nicosia

Professor of Mathematics and Interim Assistant Provost & Dean

B.S.E., 1980, M.S.E., 1982, University of Central Arkansas; Ph.D., 1990, University of Texas at Austin

Michael L. Ortiz

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Sarah Roche

Professor of English and Chair, Department of Humanities

BA, 1985, University of the South; MA, 1989, Middle Tennessee State University; Ph.D., 1998, Texas A & M University

Todd T. Russell

Professor of Education

B.S., 1978, M.S., 1982, Ph.D., 1987, University of Oregon

Mary Jane Saucedo

Associate Professor of Business Administration – Accounting

B.B.A., 1981, M.B.A. 1989, University of Texas at Pan American at Brownsville; M.A.C.C.

1994, Texas A&M University, Corpus Christi; Ph.D., 2001, Texas A&M University, College Station

Gina L. Stocks

Associate Professor of Education Teacher Certification Officer

B.A., 1995, M.Ed., 2005, Sul Ross State University; Ph.D., 2011, Texas A&M University-Corpus Christi

Audrey I. Taylor

Assistant Professor of English

B.A., 2007, Colorado State University; M.A., 2010, Swansea University; Ph.D., 2015, Anglia Ruskin University

Christopher Adrian Avalos Tresslar

B.B.A., 1991 St. Edward's University; M.Ed., 1997, University of Mary Hardin-Baylor; Ph.D., 2010, Texas A&M University College Station

Martin G. Urbina

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B.S., 1995, Sul Ross State University; M.C.J., 1997, New Mexico State University; Ph.D., 2000, Western Michigan University

Timothy L.- Y. Wilson

Professor of Education

B.A., 1977, Wayland Baptist University; M.Ed., 1982, Houston Baptist University; Ed.D, 1989, East Texas State University

Wesley D. Wynne

Professor of Psychology

B.A., 1988, University of Texas at Austin; M.S., 1990, University of Michigan; Ph.D., 2003, University of Texas at Austin

Kevin V. Young

Assistant Professor of Biology

B.S., 1995, Brigham Young University; Ph.D., 2010, Utah State University

GRADUATE COURSES

This includes the course description only. Please refer to the catalog for additional course details as it pertains to your program.

Course Numbering System

The four-digit numbering system is based on the following criteria: The level of the courses is identified by the first digit as follows: freshman, 1; sophomore, 2; junior, 3; senior, 4; and graduate, 5-7. The semester credit hour is identified by the second digit. University and/or departmental codes are identified by the last two digits. Course titles in the academic programs section of this catalog are followed by two numbers in parentheses. The first number refers to the number of lecture contact hours per week; the second refers to the number of laboratory contact hours per week. For example, (3-2) indicates three contact hours of lecture and two contact hours of laboratory each week. Lecture contact hours are the hours per week students are required to spend in contact with faculty in a lecture setting, e.g., class, conference, seminar, individual instruction, private lesson, thesis or dissertation discussion, or independent study. Laboratory contact hours are the number of hours per week that students are required to spend in contact with faculty in an experiential situation, e.g., laboratory clinical, practicum, internship, or student teaching.

[ACCOUNTING \(ACC/ACCT\)](#)

[ANIMAL SCIENCE \(ANSC\)](#)

[ART \(ART\)](#)

[BIOLOGY \(BIO/BIOL\)](#)

[COMMUNICATION \(COMM\)](#)

[COMPUTER SCIENCE \(CS\)](#)

[CRIMINAL JUSTICE \(CJ\)](#)

[ECONOMICS \(ECO/ECON\)](#)

[EDUCATION \(ED/EDUC\)](#)

[ENGLISH \(ENG\)](#)

[FINANCE \(FIN/FINA\)](#)

[GENERAL BUSINESS ADMINISTRATION \(GBA/GBUS\)](#)

[GEOLOGY \(GEOL\)](#)

[HISTORY \(HIST/HST\)](#)

[INTERNATIONAL BUSINESS \(IBUS\)](#)

[KINESIOLOGY \(KES\)](#)

[LIBERAL ARTS \(LA\)](#)

[MANAGEMENT \(MGMT/MGT\)](#)

[MARKETING \(MKT/MKTG\)](#)

[MATHEMATICS \(MATH/MTH\)](#)

[MUSIC \(MUS\)](#)

[NATURAL RESOURCE MANAGEMENT \(NRM\)](#)

[POLITICAL SCIENCE \(PS\)](#)

[PSYCHOLOGY \(PSY\)](#)

[QUANTITATIVE ANALYSIS AND STATISTICS \(QMTS\)](#)

[SOCIOLOGY \(SOC\)](#)

[SPANISH \(SPAN\)](#)

[THEATRE \(THEA\)](#)

[WOMEN'S STUDIES \(WS\)](#)

ACCOUNTING (ACC/ACCT) GRADUATE COURSES

ACC 5307 Accounting for Management (3-0). Topics include budget and cost control, accounting data in planning, and policy formulation.

ACCT 5307 Accounting for Management (3-0). Careful study of accounting as related to problems of making business decisions. Readings, cases and problems dealing with accounting concepts; budgeting and cost control, use of accounting data in planning operation and policy formulation. (MBA Core Course)

ACCT 5310 Taxation Business Enterprise: Seminar in Taxation (3-0). An investigation and analysis of a variety of taxes and their impact on strategic business decisions. The tax implication of alternate business forms such as corporations or partnerships are examined in detail.

ANIMAL SCIENCE (ANSC) GRADUATE COURSES

ANSC 5303 Special Topics (3-0). Advanced studies in current agricultural and natural resource sciences research. Topics assigned according to the experience, interest, and needs of the individual student. Registration approval by the ANSC chair. May be repeated under different subject matter titles.

ANSC 5304 Forage Production and Management (0-6). Concepts and practical aspects of forage production, with emphasis on the southern half of the United States. Forage Management and forage species and a review of grazing systems for differed species of livestock will be covered in the course. The practical application of knowledge will be stressed in this course with multiple real-life case studies being covered.

ANSC 5306 Protein and Amino Acid Metabolism (3-0). This course is designed to continue the nutrition education with an emphasis on biochemical pathways and metabolic control of nutrient partitioning related to protein and amino acid metabolism. Urea cycle, glutamine metabolism, methionine cycle and additional metabolic pathways will be discussed.

ANSC 5308 Principles of Teaching Adult Learners (3-0). This course covers a broad range of topics in the field of adult education. The purpose is to further the development of adult educators; therefore, the course focuses on theories, methods, and issues in adult education.

ANSC 5312 Biostatistical Analysis I (2-2). An introduction to statistical concepts and models applied to agricultural and biological systems. The course introduces the scientific method, inferential theory, data types, descriptive statistics, goodness of fit, contingency tables, the normal distribution and one- and two-sample hypothesis testing. Emphasis will be placed on data analysis and interpretation using computer statistical applications. Offered Fall.

ANSC 5313 Biostatistical Analysis II (2-2). An advanced course in statistical concepts and models applied to agricultural and biological systems. The course will cover experimental designs, paired-sample hypotheses, multisample hypotheses (ANOVA), multiple comparisons, factorial and nested ANOVA, data transformations, liner regression, and correlation, multiple regression and correlation, polynomial regression and the binomial distribution. Emphasis will be placed on data analysis and interpretation using computer statistical applications. Offered Spring. Prerequisite: ANSC 5312 or permission of instructor.

ANSC 5314 Advanced Endocrinology (3-0). Structure and function of endocrine glands and how their secretions regulate biochemical reactions, integrate tissue and organ systems, and control behavior.

ANSC 5315 Advanced Reproductive Techniques (3-0). Detailed study of the various techniques to control and determine reproductive functions in domestic and nondomestic species. Techniques covered will include semen collection, evaluation and freezing; super ovulation, oocyte-embryo collection, in vitro oocyte maturation, sperm capacitation, in vitro fertilization, embryo culture, embryo micromanipulation, embryo freezing and transfer; and ultrasonography.

ANSC 5316 Project Research (1 to 9-0). Research for thesis project. Prerequisite: Master of Science students that have been admitted to candidacy. May be repeated.

ANSC 5317 Implementing Change (3-0). This course examines the processes by which professional change agents influence the introduction, adoption, and diffusion of technological changes.

ANSC 5320 Advanced Livestock Nutritional Management (3-0). Provide a thorough understanding of feeds and nutrients, their classifications and an introduction to how animals digest and absorb nutrients. Animal species will be discussed individually and how rations vary and are formulated depending on stage of life or production. Ration balancing by hand and using computer programs will be covered in the class.

ANSC 5321 Animal Science Business Planning (3-0). This course lays out the basic theory of microeconomics with numerous examples from the food and agricultural industries, while the coverage of macroeconomics emphasizes real world applications rather than pure theory.

ANSC 5322 Statistics for the Animal Sciences (3-0). This course emphasizes statistical literacy, use of real data and technology, statistical conceptual understanding and active learning.

ANSC 5323 Research Literature (3-0). This course guides the student, step-by-step, from the selection of a problem, through the process of conducting authentic research, to the preparation of completed report, with practical suggestions based on a solid theoretical framework.

ANSC 5324 Animal Physiology (3-0). The course is designed to expand upon the basic principles of anatomy and physiology of farm animals, emphasizing ruminant and equine digestive physiology. Individual systems will be discussed as well as topics from current scientific discussions and publications.

ANSC 5325 Agricultural Genetics and Biotechnology (3-0). This course provides a student with solid grounding in core genetics and biotechnology concepts, as well as information on cutting-edge science and technology and their applications in real-world agriculture, medicine, and health care.

ANSC 5326 Animal Reproduction (3-0). Study of the anatomical, cellular and physiological mechanisms that control the endocrine and reproductive systems of domestic animals and wildlife.

ANSC 5327 Animal Nutrition (3-0). This course is designed to continue the nutrition education with an emphasis on biochemical pathways and metabolic control of nutrient partitioning. Glycolysis, TCA cycle, Urea cycle, Gluconeogenesis, and additional metabolic pathways will be discussed as well as nutrient metabolism and ruminant specific metabolism related to VFAs.

ANSC 5328 Meat Production (3-0). This course is designed to educate students about the global product that is meat and to expose students to the conversion of muscle to meat with emphasis on physical and biochemical changes. Microbiology and other related characteristics of meat and its implication in commercial meat processing. A course designed to teach the advance physical and chemical components of meat tissues, as well as, quantitative and qualitative attributes of meat and meat products, including processing, manufacturing, distribution, and preservation principles of meat production. Students will understand technological and manipulative skills in the slaughter and cutting of meat animals and the processing of meat products. To further discuss anatomy, muscle structure and function, chemical composition and physical characteristics of carcasses and cuts as determinants of live animal and meat quality.

ANSC 5329 Animal Breeding (3-0). Advanced topics in breeding animal selection using scenario-based techniques and animal data to optimize production systems. Breeding plans of all livestock species including rotational and terminal crosses and the use of crossbreeding advantages of heterosis and breed complementarity. Additionally, heritability estimates and economically important traits will be focused on.

ANSC 5331 Ruminant Nutrition (3-0). Physiology and chemistry of digestion, absorption and metabolism of nutrients in ruminants; nutrient functions, requirements, utilization and the effects of nutrient deficiencies and toxicities. An emphasis will be placed on ruminant specific metabolism and the net energy system.

ANSC 5403 Special Topics (4-0). Advanced studies in current agricultural and natural resource sciences research. Topics assigned according to the experience, interest, and needs of the individual student. Registration approval by the ANSC chair. May be repeated under different subject matter titles.

ANSC 6301 Thesis Proposal (0-6). Satisfactory completion of this course will result in an acceptable prospectus presented to the Graduate Committee.

ANSC 6302 Thesis Defense (0-6). The student will enroll in this course each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made. Satisfactory completion of this course will result in the completed thesis presented to the Graduate Committee, accepted by the ANRS dean, and filed in the Office of the Executive Vice President and Provost for Academic Affairs.

ART (ART) GRADUATE COURSES

ART 5301 Curriculum Enrichment (1-4). Seminar in the problems unique to university teaching problems. Students meet as a group to do peer review and professional practices and also work independently with a selected instructor in a class specific to their discipline. Prerequisite: must have passed undergraduate class in same area of specialization or permission of instructor.

ART 5303 Individual Research Problems (1-4). Designed for students who are prepared to do research within a visual arts specialization area. The course may be repeated for credit up to four times with number designate for area of specialization. Prerequisites: must have passed upper level undergraduate class in the same area of specialization.

ART 5304 Graduate Art Studio I (2-4). Designed for students who are prepared to do work in any visual arts areas of specialization. The course may be repeated for credit up to four times with letter number designate for area of specialization. Prerequisite: Must have passed upper level class in same area of specialization.

ART 5305 Master's Exhibition (2-4). Students will complete the project proposed in the last semester of ART 5304. This course is to be taken as the final course for the Master of Arts, and students may receive an I until the exhibition is completed. Prerequisite: 12 hours of 5304 in a studio specialization

ART 5306 Art History (3-0). Study of the visual arts of the world. The course may be repeated for credit where topic varies.

ART 5307 Contemporary Art History (3-0). A survey of the visual arts of the world with emphasis on the development of architecture, sculpture, painting and the minor arts in the Twentieth Century.

ART 6301 Thesis Proposal (0-6). Satisfactory completion of this class will result in an acceptable proposal for an art research thesis presented to the graduate committee. A student will normally register for this course after the second semester of graduate work in art history. The student should only enroll in this class when the committee members are available to work with them and the library or other research facilities are available for their use.

ART 6302 Thesis Defense (0-6). The student will enroll in this course each semester or summer term when the committee members are available to work with them and the library or other research facilities are available for their use. Satisfactory completion of this course will result in the completed thesis presented to the committee, accepted by the Dean of the College of Arts and Sciences and filed in the office of the Provost and Vice President for Academic and Student Affairs.

BIOLOGY (BIO/BIOL) GRADUATE COURSES

BIO 5301 Biogeography (3-0). This course investigates the spatial patterns of biological diversity and its causes, both in the present and in the past. Prerequisite: Bachelor of Science in Biology or permission of the instructor

BIO 5303 Evolutionary Biology (3-0). This course will focus on current theories of forces of evolutionary change, including natural selection, gene flow, founder effects and the role of evolutionary change in the origin of new species and the diversity of life. Prerequisite: Bachelor of Science in Biology or permission of the instructor

BIO 5305 Physiological Ecology (3-0). Study of how interactions between vertebrate physiology and behavior shape vertebrate biology in an ecological context. Prerequisite: Bachelor of Science in Biology or permission of the instructor

BIO 5307 Understanding the Human Body (3-0). A course designed to increase content knowledge about the anatomy and physiology of the 11 organ systems in humans. Prerequisite: Bachelor of Science in Biology or permission of the instructor

BIO 5309 Comparative Vertebrate Biology (3-0). A course designed to increase content knowledge about the taxonomy, morphology, adaptations, and evolution of vertebrates. Prerequisite: Bachelor of Science in Biology or permission of the instructor

BIO 5313 Special Topics (3-0). A course dealing with selected and timely topics in biology such as animal behavior, animal physiology, coevolution, invasive species, conservation or many other potential subjects. Prerequisite: Bachelor of Science in Biology or permission of the instructor

BIOL 5100 Individual Studies (1-0). Independent study of selected topics in biology.

BIOL 5101 Graduate Seminar (1-0). Discussion of pertinent topics in biology, with emphasis changing depending upon instructor.

BIOL 5200 Individual Studies (2-0). Independent study of selected topics in biology.

BIOL 5301 Cacti and Succulents of the Southwest (2-2). A study of the life cycles, life histories, and environment with special attention to survival and adaption of the cacti and succulents of the Southwest and in particular those in the Trans-Pecos region.

BIOL 5305 Techniques of Scientific Research (3-0). Style and format in manuscript, proposal and thesis preparation. Materials and methods of scientific investigation and science education. Orientation to graduate level and professional studies. Required in first semester or at first opportunity thereafter.

BIOL 5307 Special Topics (3-0). A course dealing with selected and timely topics in biology. May be repeated when topic varies.

BIOL 5310 Applied Entomology (3-0). Introduction to principles and theories of insect control strategies. Includes concepts of chemical, cultural, and physical controls, and biological and integrated pest management. Prerequisite: General Entomology or equivalent.

BIOL 5311 Evolution (3-0). The study of the theory and current concepts of evolution, including: natural selection, gene flow, founder effect, and speciation.

BIOL 5312 Graduate Research (0-9). Qualified students may conduct individual research under the direction and supervision of the staff. May be repeated once when topic varies.

BIOL 5316 Biostatistical Analysis I (2-2). An introduction to statistical concepts and models

applied to agricultural and biological systems. The course introduces the scientific method, inferential theory, data types, descriptive statistics, goodness of fit, contingency tables, the normal distribution and one- and two-sample hypothesis testing. Emphasis will be placed on data analysis and interpretation using computer statistical applications. Required for MS Thesis Plan I option. Offered Fall.

BIOL 5317 Biostatistical Analysis II (2-2). An advanced course in statistical concepts and models applied to agricultural and biological systems. The course will cover experimental designs, paired-sample hypotheses, multi-sample hypotheses (ANOVA), multiple comparisons, factorial and nested ANOVA, data transformations, linear regression and correlation, multiple regression and correlation, polynomial regression and the binomial distribution. Emphasis will be placed on data analysis and interpretation using computer statistical applications. Offered Spring.

BIOL 5318 Toxic and Medicinal Plants (3-0). A graduate-level survey of toxic and medicinal plants, including their identification & classification, clinical signs of intoxication, toxic principle, mechanism of action, and treatment (if any). Emphasis is on toxic plants of West Texas and major medicinal plants of historical significance.

BIOL 5407 Special Topics with Laboratory (3-2). A course dealing with selected and timely topics in biology with laboratory. This course may be repeated if topic varies. Lab fee: \$8

BIOL 5601 Field Botany (3-6). Studies of plants in their natural environments including aspects such as: taxonomy; morphology; ecology; biogeography; and/or phylogeny. Revolving emphasis (e.g., woody plants, monocots, or composites) and a flexible program according to demand. Offered in summer session, several field trips including multi-day. Field school fee: \$175 - \$1800

BIOL 5602 Field Zoology (3-6). A course devoted primarily to acquainting the student with animal life in its natural habitat. Collecting, museum techniques, systematic and ecological implications will be stressed. Field school fee: \$175 - \$1800

BIOL 5607 Special Topics Graduate Field Studies (3-6). A course offering selected topics in biology that consist of field work. This course may be repeated if topic varies. Field school fee: \$175 - \$1800

BIOL 6040 Thesis Research (0-18). The student will enroll in this course after earning credit for BIOL 6301 (Thesis Prospectus), each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made. The course is variable for 1 to 9 credit hours, and may be repeated with approval of advisor. Credit hours earned may not be applied towards the 30 or 36 hours required for the degree. Prerequisites: Master of Science students that have been admitted to candidacy, including earned credit for Thesis Prospectus.

BIOL 6301 Thesis Prospectus (0-6). Satisfactory completion of this course requires an acceptable prospectus presented to the Graduate Committee. The student will normally register for this class no earlier than the second semester of graduate study. The prospectus is expected to be completed promptly, as this course may not be taken more than two long semesters.

BIOL 6302 Thesis Defense (0-6). The student will enroll in this course at the time of the defense and after earning credit for BIOL 6301 (Thesis Prospectus). Satisfactory completion of this course will result in the completed thesis presented to the Graduate Committee, accepted by the Dean of the School, the Dean of the Graduate School, and filed in the Office of the Provost and Vice President for Academic Affairs. Prerequisite: BIOL 6301.

COMMUNICATION (COMM) GRADUATE COURSES

COMM 5304 Speech Communication Workshop (1-4). Advanced study and analysis of speech communication performance areas. Course may be repeated for credit.

COMM 5305 Individual Study in Speech Communication (3-0). Individually guided research in speech communication. May be repeated for credit when topic varies.

COMM 5307 Public Relations (3-0). Graduate Public Relations is designed to acquaint public administrators and other professionals with the terms, theory and procedures associated with modern public relations efforts. Special emphasis will be placed on practical applications of PR techniques, including organizational analysis, resource preparation, and crisis management.

COMM 5308 Nonverbal Communication (3-0). The course is designated to provide student with an in-depth examination of the major theories, principles, and latest research findings regarding nonverbal communication and its role in the total communication process. Through assigned readings, class discussions, and research projects, this course will examine how different nonverbal communication codes function in interaction to influence the management of conversation, the impressions formed in interaction, the development and maintenance of relationships, and the process of social influence

COMM 5309 Organizational Communication (3-0). This course provides the student with frameworks for thinking about how and why communication occurs at different levels of analysis in organizations, and how to recognize, analyze and improve different communication problems. Through assigned readings, class discussion, and research projects, this course will examine the nature of organizations communication; classical or organizational structure theories; behavioral and systems theories; sense-making theories; organizational climate and cultures and; information flow and communication networks.

COMM 5310 Internet and Society (3-0). Special courses on topics not included in the regular curriculum. May be repeated for credit with departmental approval.

COMM 5311 Small Group Communication (3-0). The aim of this course is to study the nature and dynamics of small groups focusing on communication research and theory as applied to the process of small group decision-making.

COMM 5312 Oral Communication Course Development (3-0). A course designed to prepare students to teach the basic communication course in higher education and other professional environments. The course covers course design, course evaluation, methodologies for skill development, and related topics. Provides theoretical and experiential knowledge about communication goals/objectives, teacher/student communication needs & expectations, reinforcement & feedback, climate & influence, and teacher/student communicator style, characteristics, and behavior.

COMM 5313 Mass Communication Theory and Research (3-0). This course is designed to explore the research and theory that attempt to explain the effect of mass communication on individuals and society. The course will primarily concentrate on the mass media of the last two centuries, considering how they have been shaped by society and how they have affected society by reviewing relevant theory and research.

COMPUTER SCIENCE (CS) GRADUATE COURSES

CS 5301 *Special Topics in Computer Science (3-0)*. Selected topics in Computer Science. The course may be repeated for different topics. Offered when needed. Prerequisite: Permission of instructor.

CS 5302 *Topics in Software Engineering (3-0)*. This course compasses different methods and techniques in software engineering, developing the software life cycle and implementation of business-related software needs. The course may be repeated for different topics. Offered when needed. Prerequisite: Permission of instructor.

CS 5303 *Independent Studies (3-0)*. Independent study of selected topics in Computer Science. The course may be repeated for different topics. Offered when needed. Prerequisite: Permission of instructor.

CRIMINAL JUSTICE (CJ) GRADUATE COURSES

CJ 5301 Overview and Administration of the Criminal Justice System (3-0). An advanced and detailed overview of the criminal justice system and its administration. This course will take a systematic perspective of our system of police, courts, and corrections. Focus will be placed on how the system, as a system, reacts to changes in legislation and social mood. Some emphasis will be placed on the legislative and political process surrounding U.S. criminal justice efforts.

CJ 5305 White Collar Crime (3-0). This course will cover topics relating to white collar crimes across America. Topics will cover both historical and contemporary perspectives as well as corporate and individual level offenses.

CJ 5306 Drug Abuse (3-0). The focus of this course is on drug use, misuse and abuse in America. Topics covered include history of drug use, laws concerning use and abuse, illicit and prescription drug abuse, drug control approaches and other relevant topics.

CJ 5308 Special Populations in Criminal Justice (3-0). This course will explore issues related to minorities at all levels of the system from three perspectives: employees, victims, and offenders. At the end of the course, the student should have developed a knowledge of and appreciation for the complexity of the effect of the criminal justice system on the lives of minorities in this country.

CJ 5310 Capital Punishment (3-0). In this course, we will review the public policy concerning the death penalty. We will further look into issues that may or may not affect the application of the death penalty within the various states. Both the history of the death penalty and the future application or abolition of the death penalty will be addressed.

CJ 5311 Advanced Law Enforcement Administration (3-0). Management issues in modern police agencies including hiring, retention, training, dismissal, human relations and cultural sensitivity. Communication, management styles, policy development, effectiveness, problem-solving and community policing are also covered.

CJ 5313 Seminar in Policing (3-0). This advanced level course will focus on the history and development of modern professional policing. Emphasis will be placed on the evolving role of police in a democracy as well as the trends toward community oriented policing styles.

CJ 5314 Seminar in Corrections (3-0). A course on the evolution of corrections. Theories of punishment as well as correctional management techniques will be addressed. This course will go beyond the concepts of institution corrections and will explore modern correctional alternatives and special topics relevant to corrections.

CJ 5315 Seminar in Courts and Judiciary (3-0). A Specialized course, which will focus on the theories of American justice. Attention will be paid to the structure of the U.S. justice system. A portion of the course will cover the role of each judicial element Federal, State and Local Courts. Students should expect some exposure to case briefs and legal research.
(Required for CJ Masters)

CJ 5316 Women and Crime (3-0). This course will cover topics relating to women and their interaction with the various components of the criminal justice system as victims, offenders, and employees. Each of these three categories of women will be covered in the context of police, courts, and corrections. Additionally, issues relating to the rights women have in American society will be covered from a historical and contemporary perspective.

CJ 5317 Juvenile Delinquency (3-0). This course will focus on the nature and extent of

delinquent behavior, theories of delinquency and their implications for intervention, cultural and social factors related to delinquency, as well as the philosophy and functioning of the juvenile justice system. Emphasis will be placed on school related delinquency, the role of the media in creating delinquency panics, and the differences between males and females.

CJ 5318 Seminar in Criminal Justice Theory (3-0). An advanced study of theories used in Criminal Justice to explain crime and deviance. This course will require students to explain criminal and deviant behavior and apply their theoretical understanding to policy issues. (Required for CJ Masters)

CJ 5319 Use of Force in Criminal Justice (3-0). Study of the use of and legal rules and concepts involved in the use of force by criminal justice personnel. The course will include both legal and conceptual dimensions of the issue. Among topics to be covered are force continuums, non-lethal force, verbal judo, and alternatives to using force.

CJ 5321 Domestic Violence (3-0). This course will cover topics relating to domestic violence including spousal abuse, other types of family abuse, and caretaker abuse. Discussion will include possible explanations for the abuse, reasons why the victims stay, and intervention issues.

CJ 5322 Immigration Issues (3-0). This course will focus on the history and development of immigration patterns and policies in the United States. Emphasis will be placed on policy issues as related to the work of Criminal Justice practitioners, particularly in the post 9-11 world. Students will also be expected to analyze policy impact on various groups of immigrants.

CJ 5323 Homeland Security (3-0). This course will explore the various aspects of the government entity – Homeland Security. Discussion will focus on defining the role for this agency, government restructuring, legal basis for actions and the various divisions within the agency. Also, special projects undertaken in support of the agency's mission will be discussed with emphasis on the effects these will have on the various levels of government and the civilian population. (Required for HS Masters)

CJ 5324 Social Deviance (3-0). This course focuses on the concept of deviance, deviant behaviors, and explanations of such behaviors. Although criminal behavior is considered a form of deviance, there are plenty of legal and quasi-legal behaviors that also fall under this category. In the course, we will discuss a variety of behaviors considered deviant, such as smoking, drinking, drug use and sexual activity.

CJ 5325 Graduate Seminar in CJ (3-0). The student will explore legal issues, ethics, and application of criminological theories in policy making and research methods in the field of criminal justice. Historical issues and emerging trends will also be examined. This course is the capstone course for the Criminal Justice Master's program. Prerequisite: Minimum 27 hours completed towards the CJ master's degree. (Required for CJ Masters)

CJ 5326 Victimology (3-0). This course is designed to give the student a basic knowledge of the issues surrounding criminal victimization. Topics covered will include types of victims, reactions to victims by society and the criminal justice system, and the victim rights movement.

CJ 5327 Graduate Seminar in Homeland Security (3-0). The student will explore government restructuring, policy making, and research methods in the field of Homeland Security. The role of both government and non-government actors in Homeland Security will be examined. Historical issues and emerging trends will also be analyzed. The course is the capstone course for the Homeland Security Master's program. Prerequisite: Minimum 27 hours completed towards the CJ master's degree. (Required for HS Masters)

CJ 5328 Seminar on Transnational Crimes (3-0). This course is designed to introduce the student to the study of criminal organizations and their crimes on the global stage. Focus is particularly on those organizations and crimes that cross international boundaries. Areas of study include organized crime, trafficking in drugs, humans and weapons, piracy, and other crimes groups and individual criminals. Global efforts and prevention, interdiction and punishment will also be covered. A particular focus will be on placing these issues in the context of Homeland Security and the war on terror.

CJ 5329 Seminar in Emergency Management and Disaster Preparedness (3-0). This course covers risk management and disaster management theory, risk assessment, protection of critical infrastructure, Incident Command Systems, FEMA strategies and other efforts to prevent and mitigate terrorist attacks, natural disasters and other large-scale events. The role of all levels of government, military and citizenry will be examined.

CJ 5330 Emerging Issues in Homeland Security (3-0). This course covers current and emerging issues in the area of Homeland Security. Topics may include programs, emerging technologies, and legal trends in both the domestic arena and on the global stage.

CJ 5331 Topics in Criminal Justice (3-0). Intensive study of selected issues in Criminal Justice. May be repeated when topic varies.

CJ 5333 Internship (0-3). Supervised work experience in an approved criminal justice agency. Designed to allow the student to synthesize theory and practice. It is the student's responsibility to find a suitable agency at which to intern. To be eligible the student must have a minimum GPA of 3.5. A minimum of 45 supervised hours will be required. A student's compensated employment may not be utilized as an internship. Prerequisite: Permission of the Graduate Coordinator.

CJ 5334 Methods of Social Research (3-0). An introduction to research methods within the social sciences and the major contemporary approaches to it. (Required for CJ and HS Masters)

CJ 5335 Human Trafficking (3-0). This course is designed to give the student a basic knowledge of the issues surrounding human trafficking. Topics covered will include the rise of human trafficking, the financial side of human trafficking, legislation and regional perspectives on human trafficking as well as women and children as sex slaves.

CJ 5336 Seminar on Domestic Terrorism (3-0). This class is specifically designed to introduce students to the threat of domestic terrorism. We will discuss the implications of all aspects of such terrorism on U.S. society and on the world at large. We will address the root causes of such behavior and the international response to incidents and actors. Additional focus will be on the application of "The Patriot Act" as it impacts U.S. freedoms.

CJ 5337 Seminar on International Terrorism (3-0). This class is specifically designed to introduce students to the global threat of international terrorism. We will discuss the implications of all aspects of such terrorism on U.S. society. We will address the root causes of such behavior and the criminal justice response to incidents and actors. Additional focus will be on the Department of Homeland Security and its anti-terrorism programs and policies.

CJ 5338 Cybersecurity (3-0). This course introduces students to the wide range of modern communication technologies. Use of these technologies by government and business entities for intelligence gathering, their limitations, and vulnerabilities are introduced to the students. An overview of the history of computer hacking is covered. Additionally, a brief overview of law and policy concerning cyber communications are discussed beginning with the National Security Act of 1947.

CJ 5339 Ethical Issues in the Criminal Justice System (3-0). Students will examine ethical issues related to criminal justice administration. The origin and effect of ethical standards as well as ethical leadership will be addressed. Emphasis on the role of ethical decision making in policy making and the establishment of agency values, as well as the value paradigm of community policing will be explored.

CJ 5340 Policy Making in Criminal Justice (3-0). Students will explore a comprehensive overview of policy making within law enforcement including the history of law enforcement administration, the evolution of professional policing, and current issues and trends. (Required for HS Masters)

CJ 5341 Criminal Sexual Behavior (3-0). Students will evaluate the nature and etiology of sex crimes and avenues by which the criminal justice system addresses these crimes and criminals. Law and policies related to sex offender control and registration, and best practices regarding treatment and therapies for various types of sex offenders will be discussed.

CJ 5342 Women in Policing (3-0). This course will examine the role of women in law enforcement positions across the United States including historical and contemporary perspectives on women in policing. The experience of women of color will be emphasized.

CJ 5343 Crimes Against Children (3-0). This course focuses on, child maltreatment, neglect and abuse (physical, sexual, psychological). Students will discuss extreme forms of abuse, such as child sexual trafficking and forced prostitution. Students will also study those who commit these crimes and intervention and prevention strategies.

CJ 5350 Independent Study (3-0). The student will pursue an independent research or experiential learning project chosen by the student in consultation and approval of the instructor. Prerequisite: Approval of the instructor

CJ 5360 Seminar in Cybercrime (3-0). This course discusses how perpetrators use high-technical means in order to commit a diverse range of criminal activities. These include attacks against computer data and systems, identity theft, and distribution of child sexual abuse images, internet fraud, the penetration of online financial services, as well as the deployment of viruses, Botnets, and various email scams such as phishing. Methods of mitigation and prevention are addressed.

CJ 5361 Seminar in Criminal Profiling (3-0). Students will examine the dynamics of individual criminal acts utilizing inductive and deductive methodology to profile criminal behavior, offender characteristics, crime scene investigation, evidence collection, and case linkage of specific categories of crime. Topical areas in this seminar will include cybercrime, serial crime, stalking, and other criminal behaviors and acts related to technology grounded crimes.

CJ 5362 Criminology of Cybercrime (3-0). This course will discuss various types of criminal conduct associated with computers and the Internet. Specific emphasis will be placed on, and will assess, criminological theories of crime as they relate to cybercrime and cyber terrorism.

CJ 5363 Seminar in Cybercrime Law and Policy (3-0). This course addresses issues related to how emerging technologies challenge existing legal paradigms; how countries regulate criminality across political boundaries; what the new paradigm means for individual rights and privacy; and how law enforcement is evolving to meet the demands of the modern world. This course includes an in-depth analysis of case law and various statutes related to cyber intrusions, data theft, and crimes against persons.

CJ 5364 Seminar in Cyber Warfare (3-0). This course explores an in-depth analysis of the policy, doctrine, and strategy of conducting warfare at the national and international level. This

course will examine cyber terrorism, cyber espionage, and other attack paradigms, as well as an examination of defense strategies to repel attacks.

CJ 5365 Seminar in Cybercrime Investigations (3-0). This course is a graduate level seminar in the investigation of cybercrimes, with a particular emphasis on Internet fraud schemes, e-Commerce, and dark web related criminal activity. The course also discusses legal issues, investigative techniques and strategies, and implications of investigations based on jurisdictional limitations.

ECONOMICS (ECO/ECON) GRADUATE COURSES

ECO 5301 Comparative Economic Thought-Free Enterprise (3-0). Survey of the four influential schools of economic thought – Austrian, Keynesian, Monetarist, and Marxist. Emphasis on the development of capitalist theory and free markets as these influenced the economy of the United States. Original works will be reviewed and discussed in the context of recent events.

ECO 5303 Managerial Economics (3-0). Economic analysis applied to business problems including cost and revenue measurement, profit planning, and market structure. Special emphasis is placed on optimizing techniques, basic econometrics, and business forecasting. Prerequisite: ECO 2302

ECO 5304 Research and Readings in Economics (3-0). Class directed reading or research in a particular field of economics. The course may be repeated for credit when the topic varies.

ECO 5305 Monetary Economics (3-0). A study of the financial services industry, banking and financial regulations, money, and central banking. Emphasis on monetary theory and policy.

ECON 5301 History of Economic Thought (3-0). A survey of economic thought and economic thinkers from medieval times to the present day. Emphasis is placed on Pre-Classical, Classical, Keynesian, and Twentieth- Century paradigms.

ECON 5302 Seminar in Economic Affairs (3-0). Selected topics in economics appropriate to graduate study and may include free enterprise economics; global economics; economics of social issues and development of economic thought. May be repeated for graduate credit when course topic changes.

ECON 5303 Managerial Economics (3-0). Economic analysis in forming business policies relative to profits, market demand, cost measurement and control, price policy and capital budgeting. The primary objective of this course is to enhance student understanding of microeconomic analysis to managerial decisions. (MBA Core Course)

EDUCATION (ED/EDUC) GRADUATE COURSES

ED 5100 Pedagogy of Mathematics for the English Language Learner (1-0). This course is for teachers of mathematics and introduces basic concepts associated with the effective teaching of mathematics to English language learners (ELL) on the Math STAAR objectives. Three areas covered are: best practices for ELL (Spanish), mathematics vocabulary, and dual language problem solving.

ED 5300 Internship in Teaching I (0-3). Required for post-baccalaureate certification candidates seeking to satisfy the teaching requirement by teaching full-time as a teacher of record in an accredited school, jointly supervised by University faculty and school district personnel. This is the first semester of the Internship. Prerequisite: Must be accepted in the Post-Baccalaureate Initial Certification Program. Internship/Practicum fee: \$300

ED 5301 Internship in Teaching II (0-3). Required for post-baccalaureate certification candidates seeking to satisfy the teaching requirement by teaching full-time as a teacher of record in an accredited school, jointly supervised by University faculty and school district personnel. This is the second semester of the Internship. Prerequisite: ED 5300. ED 5301 must be taken the next consecutive long semester after successful completion of ED 5300; must be accepted in the Post-Baccalaureate Initial Certification Program. Internship/Practicum fee: \$300

ED 5302 The Principalship (3-0). A course designed especially for elementary and secondary school principals in which the role, scope and function of the principalship is thoroughly studied.

ED 5305 Technology in the Educational Setting (3-0). This course will focus on technology for content-area instruction, instructional software, multimedia presentations, telecommunications, data organization, and student projects. Issues regarding equity, copyright law and fair use will be included.

ED 5306 Assessment of Individual Intelligence (3-0). Required for educational diagnostician certification. Students will administer, score, and interpret major assessment instruments used to determine eligibility and services provided through special education. Legal requirements and ethical practices will be stressed. Prerequisite: ED 5323.

ED 5307 Graduate Research (3-0). A course designed to broaden the perspectives of graduate students and to introduce them to the techniques of research and the various fields of graduate work offered on this campus. Must be completed in first 12 sch.

ED 5308 Foundations of Literacy (3-0). This course is designed to follow the development of the reader from early childhood to the adult reader perspective. This course investigates best practices as they relate to reading theories and research so that candidates can explain, compare, contrast, apply and critique literacy education practices through professional collaboration. This course also examines instructional techniques regarding oral language, phonological and phonemic awareness, print awareness, word identification, fluency, comprehension, vocabulary, written language, assessment, instruction addressing individual needs and topics associated with exceptional students. This class is designed to provide students with a foundation of knowledge about teaching literacy, reading and writing, as an interactive process focusing on extracting meaning from print.

ED 5310 Organization and Structure of the Public School Curriculum (3-0). A course designed for post-baccalaureate students pursuing teacher certification. Emphasis will be upon developmental appropriate curriculum design, qualitative and quantitative evaluation, and

classroom organization.

ED 5311 Improvement of Instruction in the Public School (3-0). A course designed for post-baccalaureate students pursuing teacher certification. Emphasis will be upon learner-centered practices in specific academic areas, and effective teaching behaviors for diverse learners.

ED 5312 Advanced Survey, Exceptional Children (3-0). A survey of exceptional children involving categorical identification, terminology, advocacy litigation, legislation at the national and state levels, and state guidelines, involving special populations.

ED 5313 Career Development and Life Planning (3-0). A study of career development theory; systems of career awareness, exploration, preparation, and growth, and their application to career counseling, career guidance, career decision making, life planning, and career education. Prerequisite: ED 5314 and ED 7302.

ED 5314 Personality and Counseling Theory (3-0). A study of human personality dynamics as related to counseling theory and practice, emphasis on modern humanistic and phenomenological theories as they apply to counseling and developmental guidance.

ED 5315 Assessment in Counseling (3-0). An introduction to testing and assessment for use in counseling individuals and groups, including: basic psychometric theories and approaches to appraisal; psychometric statistics; factors influencing appraisals, data and information gathering; and use of appraisal results in the helping process. Also addresses test selection, test administration, and the dynamics of test interpretation. Prerequisite: ED 5314

ED 5316 Diversity in Public Education (3-0). A study of theory, research and methodology relative to the needs of multicultural and special student populations.

ED 5317 History, Philosophy, and Trends in Education (3-0). This course is a survey of the historical, philosophical and contemporary landscape of schools in the United States. Emphasis is placed on enduring debates about the purposes of education in a democratic society.

ED 5318 Management and Development of Human Resources (3-0). A comprehensive study of the human resource function in public schools. Included are job analyses, staffing needs, recruitment, selection, placement, induction, evaluation, appraisal, and development of school personnel at all levels.

ED 5319 School Law (3-0). A study of general laws applying to all states concerning education, and in-depth study of cases and decisions affecting current education.

ED 5320 Assessment in Multi-Tiered Systems of Support (3-0). Explain assessment and student support within a continuum of services and settings in schools and communities. Procedures for student screening, pre-referral, including Response to Intervention (RtI): Referral: and eligibility will be of focus.

ED 5321 Foundations of Special Education Law (3-0). A course designed to provide an understanding of the laws governing the area of special education, focusing on current law as such as IDEA, Section 504, and ADA, as well as the legal aspects of the development and implementation of IEPs and IFSPs. Previous cases impacting special education will be examined.

ED 5322 Behavior Management (3-0). An in-depth look at classical and operant conditioning principles from the standpoint of human application, from the classroom to the home, from private practice to institutional placements. Actual behavior modification project included. Prerequisite: Approval of instructor.

ED 5323 Appraisal of Educational Disabilities (3-0). Required for educational diagnostician certification. Students will administer, score, and interpret major academic achievement tests used to identify educational disabilities, and design appropriate instruction and services. Students will examine current trends in programs designed for early identification and intervention of possible educational disabilities. Factors involved in multicultural assessment will be addressed. Prerequisite: Instructor's approval.

ED 5324 Advanced Educational Psychology (3-0). An advanced study in the sets of circumstances that are present when human learning occurs, including the conditions that govern learning beyond the traditionally studied prototypes of response conditioning and association.

ED 5325 Evidence Based Interventions for Exceptional Learning (3-0). Develop research-based interventions in academics and behavior for the students with high incidence disabilities. Functional behavior assessment and a behavior plan will be developed in addition to academic interventions. **ED 5327 Readings and Research (3-0).** A course taught on an individual basis wherein special topics are studied. Course content varies according to needs of the student. Prerequisite: Approval of advisor and instructor.

ED 5330 Introduction to School Administration (3-0). An overview of school administration that includes roles, functions and duties of those who administer and supervise in the schools. Policy development, planning, goal setting, program evaluation, and accreditation standards are also included.

ED 5332 Educational Research I (8-0). A course designed to broaden the perspectives of education graduate students and to introduce them to the techniques of educational research that promote data-driven decision-making on their campuses. Must be completed in first 6 sch.

ED 5333 Educational Research II (8-0). An advanced course designed for education graduate students to apply the techniques of educational research that promote data-driven decision-making on their campuses by completing a statistically-sound, data-driven educational research project on an identified need of their school campus related to student achievement. Prerequisites: ED 5330 and ED 5332.

ED 5350 Nature of Gifted and Talented Students (3-0). Introduction to the intellectual, social, and emotional characteristics of gifted and talented individuals with emphasis on educational needs. Includes varied concepts of giftedness and research findings on creativity.

ED 5351 Curriculum for Gifted and Talented Students (3-0). Methods and materials to meet the needs of gifted, talented, and creative students. Individual assessment, curriculum modification, instructional materials, and classroom organization will be covered. Includes theories and models of creativity and high-level thinking.

ED 5352 Social/Emotional Development of the Gifted and Talented (3-0). Affective growth and potential adjustment problems of gifted students. Emphasis on self-concept, career concerns, peer relationships, and family interactions.

ED 5353 Program Planning for Gifted and Talented Students (3-0). Instruments and procedures for identification of gifted, talented and creative students. Program models and evaluation and implementation of programs are also covered.

ED 5360 Professional Roles and Responsibilities (3-0). A course that provides an understanding of the roles and responsibilities of teaching that includes knowledge of legal and ethical issues and requirements for teachers; professional knowledge and skills needed for communicating and collaborating with professional colleagues, the community, and families; and

the importance of family involvement in children's education. A course designed to meet the needs of those seeking initial teacher certification through the PBICP alternative certification route.

ED 5627 Clinical Teaching in the Post Baccalaureate Program (0-6). The course serves as a capstone experience for teacher candidates enrolled in teacher education program. Students are required to work within their placement campuses and fulfill the responsibilities and obligations outlined in the student teaching handbook. Students are expected to serve in a teaching and leadership role in a public school classroom(s) under the supervision of an experienced cooperating teacher and university supervisor. Internship/Practicum fee: \$300

ED 6304 Organization and Theory in Administration (3-0). Current trends, issues and problems in the elementary and secondary schools involving the planning, organizing, administering and evaluating the total school system.

ED 6308 Advanced Human Growth and Development (3-0). A study of the human life span from conception to death, with emphasis on childhood and adolescence, and the implications for effective academic and interpersonal experiences.

ED 6311 Emergent Literacy and Language Development (3-0). This advanced course is a requirement for the Master of Education Language and Literacy program. It is designed to provide students with an understanding of the components of reading and the strength and needs of individual students. This course will demonstrate how young children become literate, how language is acquired, and how competence in oral language supports the development of reading and writing. Attention will also be given to the critical role adults play in fostering the literacy development young children.

ED 6312 Curriculum, Instruction and Assessment (8-0), A course which introduces education graduate students to public school curriculum and its adoption process in Texas; Instruction and how to improve it to positively impact student achievement; and assessment and how to measure student success. Students will be introduced to the topics, among others, of the change process, horizontal and vertical alignment, scope and sequence, and rigor. Prerequisites: ED 5330, ED 5332, ED 5333, ED 7304

ED 6313 Teaching Reading in the Content Areas (3-0). This course investigates best practices as they relate to reading theories and research so that professionals can explain, compare, contrast, develop and critique literacy education practices. The purpose of the course is to learn the most effective ways of helping students with reading comprehension, writing, speaking, listening, viewing and researching across disciplines in K-12. This class is designed to provide students with a foundation of knowledge about the language of each discipline through the interactive process focusing on extracting meaning from print and all mediums.

ED 6314 Diagnosis and Correction of Reading Disabilities (3-0). This course is designed to identify and address the symptoms and causes of reading difficulties and disabilities. Methods of assessment and diagnosis will be addressed through course readings and discussions and will be applied in field opportunities. Intervention and remediation techniques will also be addressed throughout the course. Assessment techniques which can be applied in the classroom with individual students or groups of students will be examined.

ED 6315 Instructional Leadership: Planning, Implementation and Monitoring of the Instructional Program (8-0). A course which examines the improvement process of curriculum, instruction and assessment to positively impact student achievement. Students will create a campus improvement plan to address an identified problem on their campus. If a student is seeking Certification, this course must be taken with ED 7102. Prerequisite: ED 5330,

ED 5308, ED 5309, ED 7304, ED 6304, and ED 6320.

ED 6316 Seminar in Counseling (3-0). Issues and topics in counseling; may be repeated twice if course content varies.

ED 6317 Organization and Supervision of Reading Programs (3-0). The intention of this course is to prepare reading specialists, reading teachers, leaders and school administrators to develop a research-based philosophy of reading, design and implement a school-wide reading program, evaluate existing reading programs, and lead in faculty development. Students enrolled in this course must possess a strong understanding of the reading/writing process or administration background. The course is intended for graduate students seeking certification in administration or in becoming a reading specialist.

ED 6318 Literacy Through Literature (3-0). This course is a requirement for the Master of Education Language and Literacy degree and the Reading Specialist Certification program. It focuses on using literature in the elementary, middle school, and secondary classroom to teach the skills necessary for independent reading. Children's and young adult literature is explored and understood through different genres and cultures integrating universal design through current technology applications and informative evaluation criteria.

ED 6320 School Support Services (3-0). A study of the management of school services for which a chief administrator of an educational unit is responsible. Course content includes attendance, accounting, physical plant and facilities, construction and maintenance, human resources, nutrition, and transportation. Students will create a Professional Development Plan that addresses a need identified on their campus by data. If the student is seeking Certification, this course must be taken with ED 7101.

ED 6341 Psychopathology (3-0). This course examines existing concepts of mental illness and offers a healthier, client-freeing approach. Presentations on medications, stress and the immune system, mental status exam, and cases exemplifying diverse responses to human suffering are included. Prerequisite: Advisor Approval

ED 6342 Addictive Disorder (3-0). This course introduces counseling students to the field of addictions, including history, basic pharmacology, conceptualizations of addictions, assessment, models of treatment, prevention, and family and societal issues. Addictions counseling will overview but is not limited to process addictions, such as gambling, sexual, and eating, as well as chemical addictions, such as alcohol or drug. Prerequisite: Advisor Approval

ED 6343 Mental Health Assessment (3-0). Presentation of and exposure to major psychological tests used in a psychological report. Referral questions, psychological report writing, ethical issues, and examinations of actual clinical data round out the course. Prerequisites: Permission of instructor

ED 6344 Counseling in a Multicultural Society (3-0). Designed to help students develop knowledge, skills, and attitudes needed to provide effective counseling in a multicultural and pluralistic society. Issues addressed include awareness of one's own worldview and that of others; racism, stereotyping, and discrimination; demographic community, and family characteristics of various minority groups; and the application of theory, technique, and ethics to multicultural counseling. Prerequisite: Approval of advisor.

ED 6345 Family Counseling (3-0). A survey of the field of family counseling, examining history, theories, and practice. Includes discussion of ethical, legal, and other professional issues related to family counseling. Prerequisite: Advisor Approval

ED 6346 Ethical and Legal Issues in Counseling (3-0). A course to familiarize students with

ethical and legal practice in the field of counseling; included are standards of ethical practice and their application to the various areas of counseling, ethical decision-making, major ethical and legal issues, and ethical responses to unethical behavior. Prerequisite: ED 5314.

ED 6347 Introduction to Play Therapy (3-0). This course will explore the history and essential principles and elements of play therapy, as well as theories, techniques, modalities and application of play therapy. Skills are developed through experiential activities, case studies, and video presentations. Prerequisite: Advisor Approval

ED 6373 Career and Technology Student Identification, Placement, and Follow-up (3-0).

A course designed to develop counselor competencies in the identification, placement, and follow-up of students who may participate in career and technology education programs. Emphasis is placed on involvement at the appropriate grade levels as an alternative or in addition to college preparation for career entry and advancement.

ED 6375 Foundations of Educational Technology (3-0). This course provides the students with an overview of the historical, theoretical, and philosophical foundations of educational technology. Current trends and research, emerging technology, and critical issues will be examined and the student will have the opportunity to apply newly acquired technological knowledge and skills to a variety of educational environments. Prerequisites: must be completed in first 6 sch of coursework

ED 6376 Inquiry-Based Research Methods (3-0). This course will examine methods and approaches to graduate level research, including qualitative, quantitative, and mixed-method inquiry. Special attention will be given to inquiry-based approaches and social constructivist learning theories, as well as the ethical research of human subjects. Prerequisites: must be completed within first 12 sch

ED 6377 Instructional Design (3-0). This course will provide students with insight into the theories and process that guide effective instructional design. A systems-approach to designing instruction will be examined, along with methods to evaluate instructional methods.

ED 6378 Integration of Technology into the Curriculum (3-0). This course will examine the advantages and challenges of effectively integrating technology into the curriculum in an effort to promote student motivation, engagement, and learning. Technologies assisting school personnel in assessment, evaluation, record-keeping, and data collection will be examined as well.

ED 6379 Implementation of ED Tech Programs in the Educational Setting (3-0). Students in this course will examine best-practices for the implementation of educational technology programs in the educational environment through the development of specific goals and a strategic plan. Although educational settings will be emphasized, strategies can be applied to a variety of settings and occupations.

ED 6380 Special Topics in Educational Technology (3-0). This special topics course provides the student with an opportunity to examine the role of educational technology in a variety of settings, through a case-study type approach. Emphasis will be placed on project/problem-based learning and critical analysis. Prerequisite: Advisor Approval

ED 6381 Critical Issues in Educational Technology (3-0). Students will examine their role as the agent of change and how that role affects and influences the diffusion of technology and the delivery of its services. Probable sociological, financial, and educational implications of the application of change will be examined, as well as approaches to reduce the occurrence of undesirable consequences.

ED 6382 Basic Applications of Media and Technology (3-0). This course will identify available technologies used to enhance instructional design and delivery. Concentration will be placed on the utilization of multimedia, print materials, audiovisual, computer and web-based technologies, and media conversion for educational and instructional purposes.

ED 6383 Educational Technology Capstone with Portfolio Development (3-0). This course is reserved for students enrolled in the final semester of the Educational Technology graduate program. Students will utilize an electronic portfolio to present an approved topic of research and/or review of program for peer and faculty committee presentation. Prerequisite: Advisor Approval

ED 7100 Practicum I for Certification (0-3). A course required for certification which provides a minimum of 50 clock hours of field experience in the principalship in a T.E.A. accredited public, private, or parochial school. Students will create and implement a collaborative team to study a problem relating to student achievement on their campus. Students will serve in a leadership role as part of this committee. Students will prepare a report that details the change process and a video of themselves conducting one of this committee's meetings. This course must be taken with ED 7304. Prerequisites: ED 5330 and ED 5332. Internship/Practicum fee: \$300

ED 7101 Practicum II for Certification (0-3). A Course required for certification which provides a minimum of 50 clock hours of field experience in the principalship in a T.E.A. accredited public, private, or parochial school. Students will create and implement a professional development plan to address a problem relating to student achievement on their campus. Students will serve in a leadership role in conducting the professional development and in the change process. Students will create a plan that highlights the professional development, its implementation and monitoring and report on its success. This course must be taken with ED 6320. Prerequisites: ED 5330, ED 5332, ED 5333, ED 7304, ED 6312. Internship/Practicum fee: \$300

ED 7102 Practicum III for Certification (0-3). A course required for certification which provides a minimum of 60 clock hours of field experience in the principalship in a T.E.A. accredited public, private, or parochial school. Students will create and implement a campus improvement plan and work with the CIP Committee to address a problem relating to student achievement on their campus. Students will serve in a leadership role in the entire change process including creating the plan, and implementing and monitoring it. This course must be taken with ED 6315. Prerequisites: ED 5330, ED 5332, ED 5333, ED 7304, ED 6312. Internship/Practicum fee: \$300

ED 7211 Practicum in Superintendency I (2-0). This course provides a conduit for students enrolled in the fall semester of the superintendent certification program to gain the required clock hours of superintendent practicum for the fall courses in the superintendent certification program. This course will serve the purpose of a single depository for students who are working on their assistant/deputy school superintendent in a public school in Texas. Prerequisite: Full admission to the Superintendent Certification Program. Internship/Practicum fee: \$300

ED 7212 Practicum in Superintendency II (2-0). This course provides a conduit for students enrolled in the spring semester of the superintendent certification program to gain the required clock hours of superintendent practicum for the spring courses in the superintendent certification program. This course will serve the purpose of a single depository for students who are working on their assistant/deputy school superintendent in a public school in Texas. Prerequisite: Full admission to the Superintendent Certification Program. Internship/Practicum

fee: \$300

ED 7300 Advanced Applications of Media Technology (3-0). This course explores the uses of multimedia in the classroom and extends the teachers skill base in the development of advanced multimedia examples to support and enhance the curricula. Throughout the course, students will gain experience in still and motion digital editing, audio and animation production. Prerequisite: ED 5320 & ED 6307

ED 7301 Clinical Practice in Counseling (3-0). This course provides a conceptualization of the counseling process and clinical interviewing; emphasizes development of the counseling skills necessary to function appropriately as an entry-level counselor in a variety of settings, including crisis counseling. Training is done through role-play, coaching, and experiential activities. It includes presentation of case studies applicable to current issues, multicultural concerns, legal decisions, and ethics in the field. Prerequisites: Must be taken last semester of coursework. Prerequisite: Completion of a minimum of 30 semester hours of counseling coursework.

ED 7302 Management of Guidance, Counseling, and Human Services Programs (3-0). A professional orientation course covering program development, organization, management and accountability; professional organizations; codes of ethics; legal aspects of practice; standards of preparation; position functions. Prerequisite: ED 5314

ED 7303 Techniques of Counseling (3-0). The initial course in the sequence of counseling practice courses which applies knowledge of ethical practice, counseling theory, and human development to the process of therapeutic change and growth; emphasis is on basic counseling skills and various techniques in individual practice and crisis intervention. Prerequisite: ED 5314.

ED 7304 Educational Leadership for Principals (8-0). A critical examination of the theory and practice of leadership. The behaviors, skills, attributes, beliefs, and attitudes for leadership will be researched and investigated. Special attention will be placed on the change process to improve campuses and the development of professional learning communities. Students will develop a plan to create a PLC or Leadership Committee to study a problem on their campus identified by data. Must be taken with ED 5333. If student is seeking certification, this course must be taken with ED 7100.

ED 7305 Workshop in Education (3-0). A special topics course in which the course content varies according to the instructor's course design. May be repeated when the course content varies.

ED 7306 Superintendent Leadership (3-0). This course will provide a comprehensive overview of the leadership aspects of the school superintendency. This would include dealing with the board, the public, the school community and all stakeholders within the district and how to view the big picture of being the CEO of a school district, including keeping all entities fully informed on a continuing basis, long range planning on all levels, leading and managing campus-based planning committees and district- planning committees, curriculum development and management, and all else pertaining to school district leadership. Prerequisite: Full admission to the Superintendent Certification Program

ED 7307 Advanced Seminar in Administration (3-0). A course designed especially for preparing administrators for the superintendency; emphasis on decision-making modes and leadership change strategies.

ED 7308 The Superintendency (3-0). This course is an introduction to school superintendency which would provide a broad overview of what a practicing superintendent is

required to do so as well as the legal implications of the position. Additionally, the expectations of the Sul Ross State University Superintendency Certification program of study would be clearly delineated. Additionally, 75 clock hours of internship with a practicing superintendent in which the students will be exposed to the daily routine of the superintendent will be required. Prerequisite: Full admission to the Superintendent Certification Program

ED 7309 Special Populations and Programs (0-3). A study of the needs of multicultural and special student populations and the state and federal programs that currently serve them in public schools.

ED 7311:1 and 7311:11 Superintendent Internship (0-3) and (0-3). A course which provides the student with a minimum of 300 clock hours of reality experiences in the superintendency in a T.E.A. accredited public, private, or parochial school; students work with a superintendent, assistant superintendent, or business manager in the conduction of everyday central office administrative duties. Prerequisite: Approval of advisor and have completed the mid-management/principal certification program. Clock hours must be accumulated during two consecutive semesters. 7311:1 is required for enrollment in 7311 II. Internship/Practicum fee: \$300

ED 7312 Practicum in Reading (0-3). A course that provides internship experiences for students seeking the reading specialist certificate. It consists of a 160-hour, 15-week field experience designed to allow students opportunities to put into practice the knowledge gained throughout the program. Students will be supervised by university faculty as they administer and interpret diagnostic assessments, plan and conduct intervention programs, and document the reading development of their case studies. Prerequisite: Must have completed 18 hours of reading or be in last semester of coursework; consent of advisor. ED 5330, ED 5332, ED5333, ED7304, ED6312, ED6320. Internship/Practicum fee: \$300

ED 7313 Practicum in School Administration – Non-Certification (0-3). A course which provides reality experiences in the principalship in a T.E.A. accredited public, private, or parochial school; students spend a minimum of 160 clock hours working with a principal and/or assistant principal in the conduction of everyday administrative duties. Prerequisite: Approval of advisor and completion of a minimum of 24-27 semester hours of principal preparation coursework. Must be taken in last semester. Advisor Approval Required. Internship/Practicum fee: \$300

ED 7315 Group Processes in Guidance and Counseling (3-0). A course which explores numerous theoretical models, exposes students to various techniques and principles, and includes class presentations, role play and opportunity for "hands on," experiential involvement in a group. Prerequisite: ED 5314 and 7303.

ED 7316 Practicum in Guidance and Counseling (0-3). A course that provides reality field experiences in guidance and counseling in an appropriate school or agency setting; students spend a minimum of 160 clock hours under supervision in the conduction of counseling and guidance activities. May be taken twice, with permission of advisor. Prerequisite: Approval of advisor and completion of a minimum of 27-30 semester hours of counseling coursework. Internship/Practicum fee: \$300

ED 7317 Internship in Guidance and Counseling (0-3). A course that provides field supervision and high-quality professional development throughout the entire term of the internship, including all extension of the initial term. Required for and restricted to probationary certification candidates seeking to satisfy the school counseling requirements by working full time as a school counselor of record in an accredited school, under supervision of the appointed counseling program University faculty. Prerequisite: Must be accepted in the school

counseling probationary certification program and advisor approval. May be taken repeatedly. Internship/Practicum fee: \$300

ED 7318 Practicum in Special Education (0-3). A course which provides field experience in special education in a T.E.A. accredited public, private, or parochial school or identified agency. Students spend a minimum of 160 clock hours under supervision of designated mentor and university faculty. Prerequisite: Instructor's approval. Internship/Practicum fee: \$300

ED 7320 Professional Issues and Ethics in Counseling (3-0). This course familiarizes students with professional, legal, and ethical issues facing clinical mental health counselors. The focus will be an overview of business, family law and professional practice, the study of current board rules, and records management. Students will demonstrate knowledge of and ability to apply the Texas State Board of Examiners of Professional Counselors Statutes/Law and Rules/Regulations. Prerequisite: Advisor Approval

ED 7321 Superintendent/School Board Relations (3-0). This course would provide a comprehensive view of the legal ramifications a practicing superintendent faces both on a daily basis and long range and would specifically focus on how this affects the working relationship with the Board of Trustees. This would include dealing with the Board of Trustees on/with the following: policy matters, working with human resources, learning to keep abreast of impending and new enacted legislation and working with the board and school community to develop long range predictions as to how possible future legislation and proposed legislation will affect the school community. Prerequisite: Full admission to the Superintendent Certification Program

ED 7322 Superintendent Finance Issues (3-0). This course would provide a comprehensive view of all things financial with which the practicing school superintendent must deal on both a daily basis and as an aspect of long range planning, including budgeting, fiscal growth, facilities planning and the politics of each aspect of finance. Prerequisite: Full admission to the Superintendent Certification Program

ED 7323 Emotional Intelligence (3-0). This course explores numerous theoretical models of emotional intelligence, examines the skill sets necessary to strengthen interpersonal and intrapersonal relationships, exposes the counseling student to transpersonal theories and techniques that are intended to improve the counselor outlook to prevent compassion burnout. Students will also complete individual assessments to gain baseline information on Personal Values, Individual Emotional Intelligence, and the student's Quality of Motivation. Prerequisite: Advisor Approval

EDUC 5301 Research Methodology (3-0). An introduction to social science research. The student will demonstrate competency in reading and interpreting research and will use the APA style and format. Demonstrated competency in research design will be shown through written products and presentations. Must be taken within first 12 hours of graduate coursework. No substitutions for this course without written permission from the Education Department Chair.

EDUC 5302 The Principalship (3-0). Examines the role of the administrator as an educational leader with a study of individual conferencing, group dynamics, and public opinion.

EDUC 5308 Foundations of Literacy (3-0). This class is designed to provide students with a foundation of knowledge about teaching literacy as an interactive process focusing on extracting meaning from print.

EDUC 5313 Career Counseling (3-0). This course will study human career development across the life span, historical concepts and foundations, career decision-making processes, career counseling techniques for diverse and multicultural populations, systems of career

information, and the application of these to career counseling in school and community settings.

EDUC 5314 Personality and Counseling Theories (3-0). A study of traditional and contemporary theories of personality as they relate to the process and practice of counseling in a pluralistic society.

EDUC 5315 Standardized Assessment Principles (3-0). A course which studies the basic principles of standardizing testing, the planning, implementation and coordination of testing programs.

EDUC 5316 The Multicultural Learner (3-0). A course designed to investigate the relationship of various cultures of the U.S. with emphasis on Texas and the Southwest and the implications for education.

EDUC 5318 Administration of Personnel Services (3-0). A study of student personnel, selection and placement of teachers, and other problems arising from human relations in the public schools.

EDUC 5319 School Law (3-0). A study of general laws applying to all states concerning education; an in-depth study of cases and decisions affecting current education.

EDUC 5327 Readings and Research (3-0). A course taught on an individual basis wherein special topics are studied. Course content varies according to needs of the student.

EDUC 5328 Bilingual Education: Principles and Curriculum (3-0). A survey of the psychology and philosophy of bilingual education. Methods and materials used in teaching the bilingual child. The course will also include the historical and legal aspects of bilingual education.

EDUC 5329 Methodology of Second Language Teaching (3-0). Methods of second language teaching. Emphasis on language acquisition and development.

EDUC 5330 Literacy Through Literature (3-0). A course that focuses on using literature in elementary, junior high, and secondary classroom to teach and support the skills necessary for independent reading. Children's and young adult literature is explored through different genres and cultures, integrating universal design through current technology applications and informative evaluation criteria. Prerequisites: EDUC 5308

EDUC 5336 Advancing Educational Leadership (3-0). An investigation of the processes and procedures used to evaluate instructional personnel in the public schools. Special attention is given to knowledge of curriculum and instruction, data gathering and analysis, setting goals, conducting effective conferences, team-building skills and conflict resolution skills, and developing mentoring and coaching skills. One of two courses required to do teacher appraisals in Texas public schools.

EDUC 5338 Texas Teacher Evaluation & Support System (3-0). An investigation of the T-TESS Training required for appraisers and developed for the Texas Education Agency. Included in the content are statutory requirements, historical development, domains, critical indicators, and distinguished quality. One of two courses required to do teacher appraisals in Texas public schools. Prerequisite: EDUC 5336

EDUC 6304 Organization and Theory in School Administration (3-0). Current trends, issues and problems in the elementary and secondary schools involving the planning, organizing, administering and evaluating the total school system.

EDUC 6307 School Public Relations (3-0). A course designed to acquaint the school administrator and the teacher with the techniques of dealing with the public in such a way as to give it an intelligent understanding of the aims, the scope, the achievements and the problems of an educational program.

EDUC 6308 Advanced Human Growth and Development (3-0). A study of the life-span human developmental process encompassing physical, social, and emotional theories of development.

EDUC 6309 Human Growth & Development w/Emphasis on Adult Learning Pedagogy (3-0). A study of human development from adolescence through adult with learning theory application for different modes of pedagogical delivery.

EDUC 6310 Advanced Early Childhood Curriculum (3-0). An advanced study of curriculum development as it pertains to early childhood classrooms.

EDUC 6311 Advanced Studies in Language Acquisition & Literacy Development (3-0). This advanced course is designed to provide students with an understanding of the components of reading as well as strengths and needs of individual students. This course will demonstrate how young children become literate, how language is acquired, and how competence in oral language supports the development of reading and writing. Attention will also be given to the critical role adults play in fostering the literacy development of young children.

EDUC 6312 Advanced Studies in Early Childhood Methods and Classroom Management (3-0). An advanced study of the growth and development of infancy and early childhood with emphasis on developmentally appropriate methods and materials for early literacy development and programs.

EDUC 6313 Teaching Reading in the Content Area (3-0). A course that focuses on the development of disciplinary literacy skills in elementary and secondary subject area content disciplines. Multiple literacies and their classroom applications are examined, strategies for developing reading fluency and comprehension as emphasized, and methods for expanding vocabulary are included. Prerequisites: Instructor Approval

EDUC 6314 Diagnosis and Correction of Reading Disabilities (3-0). This class is designed to identify and address the symptoms and causes of reading difficulties and disabilities. Methods of assessment and diagnosis will be addressed through course readings and discussions and will be applied in field opportunities. Intervention and remediation techniques will also be addressed throughout the course. Assessment techniques can be applied in the classroom with individual students or groups of students. Prerequisites: Instructor Approval

EDUC 6315 Curriculum Theory and Development (3-0). A course which examines curriculum theory and development in grades K-12; emphasis on trends, development of curricular unit and courses of study, and on federal, state, and local curricular influences.

EDUC 6316 Seminar in Counseling (3-0). This course will address a variety of special issues and topics in counseling. Students may enroll in more than one seminar if the topics are different. Prerequisite: Permission of instructor.

EDUC 6317 Organization and Supervision of Reading Programs (3-0). A course designed for organization and administration of regular and corrective reading programs in the public schools. Emphasis is on the integration of reading and writing skills and diagnostic principles and procedures in the instructional literacy program. This class is intended to assist the school

administrator, district supervisor, and reading specialist with managing decision-making processes effectively. Prerequisite: Instructor Approval

EDUC 6318 Multiculturalism and Diversity in Counseling (3-0). This course is based on the premise that all counseling is cross-cultural, occurring in a context influenced by institutional and societal biases and norms, and is a culture-bound profession. Course content will focus on examining one's own assumptions, values, biases and worldview perspectives; constructing an understanding of the worldview perspectives of culturally different students, clients; and developing culturally appropriate intervention strategies and techniques.

EDUC 6319 Psychopathology (3-0). This course will investigate abnormal behavior as defined by the Diagnostic and Statistical Manual of Mental Disorders. Prerequisites: Student must have earned a grade of B or higher in EDUC 5314 and have permission of the instructor.

EDUC 6320 Substance Use, Abuse and Addiction (3-0). This course will examine the use, abuse and addiction of drugs and alcohol in a postmodern multicultural and diverse society. Emphasis will be placed on the physiological, psychological, and sociological aspects of abuse/addiction, their impact on the individual, family, and community, and evidence-based treatment approaches.

EDUC 6321 Techniques of Counseling I (3-0). An experiential course in professional counseling practice designed to develop communication and conceptualization skills essential to an effective and culturally relevant counseling relationship. Prerequisite: Student must have earned a grade of B or higher in EDUC 5314.

EDUC 6322 Techniques of Counseling II (3-0). An advanced experiential course in which students are required to demonstrate proficiency in counseling concepts, skills, and techniques that are sensitive to human diversity, with a major emphasis on students developing insight into their own theoretical orientations. Prerequisite: Student must have earned a grade of B or higher in EDUC 6321.

EDUC 6323 Marriage and Family Counseling (3-0). The general purpose of this course is to familiarize students with the stages of family development, family dynamics, and techniques of marriage and family counseling, family consultation, and parent education.

EDUC 6326 Advanced Strategies in Couples and Family Counseling (3-0). The course is designed to assist advanced counseling students in the full integration of theories and skills in relationship counseling and family therapy. Students will develop professional competence in assessment, treatment planning, and therapeutic interventions for effectively counseling couples and families of multicultural and diverse backgrounds.

EDUC 6327 Marriage, Divorce, and Family Mediation (3-0). This course provides advanced counseling students with cutting-edge knowledge of the models and methods of mediation. Emphasis is placed on the strategies and skills necessary for counselors to competently provide professional mediation assistance to families and couples, as well as the evaluative, transformative, and therapeutic practices employed before, during and after relationship dissolution and divorce.

EDUC 6328 Methodology in Reading/Language Arts in Bilingual Education (3-0). A study of methods and materials for teaching Spanish language skills for bilingual students. Special emphasis on the integration of reading and writing skills and diagnostic principles and procedures in the classroom instructional programs. Fifty percent of the class may be taught in Spanish.

EDUC 6329 Methodology in Content Area Instruction in Bilingual Education (3-0).

Methods and techniques of presenting science, social studies, and mathematics including organization for Spanish instruction as well as a survey of media and materials for use in bilingual classroom will be included. Fifty percent of the class may be taught in Spanish.

EDUC 6330 Play Therapy (3-0). This course will develop knowledge and skills to enhance the counseling relationship with diverse clients of all ages by utilizing play media to facilitate expression, self-understanding, catharsis, and personal growth and development. The basic theories and applications of play-related and action-based approaches will be explored, with special emphasis on the counselor's own unique contribution to the therapeutic relationship and the emotional needs of the client.

EDUC 6331 Advanced Strategies in Play Therapy (3-0). This course is designed to provide counselors with advanced knowledge and skills in a wide range of nonverbal approaches for working effectively with diverse and multicultural clients of all ages. Emphasis is on the history, theories, techniques, and applications of play therapy, action-oriented counseling, and the therapeutic use of the expressive arts.

EDUC 6332 Consultation for Professional School Counselors (3-0). This course examines theory and methods of consultation as a student-centered process for counselors to collaborate with colleagues, administrators, teachers, parents, and community agencies. Content includes the state model, certification exam, ethical/legal issues and effective skills for consulting in schools that serve multicultural and diverse populations.

EDUC 6333 Ethical, Legal, and Professional Issues in Counseling (3-0). This course will examine legal, ethical, and professional standards and issues affecting the practice of professional counseling in schools, community agencies, and private practices in the multicultural and diverse society of the 21st century. Ethical standards will be discussed from an historical and practice perspective, as well as legal issues that affect and/or conflict with the professional practice of counseling. Ethical decision-making models will be examined, and professional issues distinctive to the specific practice settings of counseling will be presented.

EDUC 6334 Natural Science for the Secondary Classroom Teacher (3-0). This course is designed to provide graduate students with the advanced knowledge and techniques when teaching the student in the public school. The class is an online course which provides laboratory, field, and classroom management techniques to ensure safety of students and the ethical care and treatment of organisms and specimens. Process of scientific inquiry and its role in science instruction and the nature of science and processes that are common in all science are emphasized. This course can be utilized by graduate education students seeking electives in education and specializes in giving credit to the student seeking a general master's degree.

EDUC 6335 Integrated Physics and Chemistry for the Secondary Teacher (3-0). This course is designed to provide the graduate student with the advanced knowledge and techniques to successfully teach physics and chemistry to the student in the public schools. The class is an online course which provides a vast understanding of the components of physics and chemistry to advance techniques for success in the classroom. This course can be utilized by graduate education students seeking electives in education and specifically gives credit to the student seeking a General Master's degree in Education.

EDUC 6336 Biology I for the Secondary Teacher (3-0). This course is designed to provide the graduate student with the advanced knowledge and techniques to successfully teach Biology I to the student in the public school. The class is an online course which provides a vast understanding of the components of basic biology to advance techniques for success in the classroom. This course can be utilized by graduate education students seeking electives in

education and specifically gives credit to the student seeking a General Master's degree in Education.

EDUC 6337 Biology II for the Secondary Teacher (3-0). This course is designed to provide the graduate student with the advanced knowledge and techniques to successfully teach Biology II to the student in the public school. The class is an online course which provides a vast understanding of the components of advanced biology to enhance techniques for success in the classroom.

EDUC 6338 Techniques for Earth Science for the Secondary Teacher (3-0). This course is designed to provide the graduate student with the advanced knowledge and techniques to successfully teach geology, meteorology, oceanography, and astronomy to the student in public school. The class is an online course which provides a vast understanding of the components of advanced earth science to enhance techniques for success in the classroom. This course can be utilized by the graduate education student seeking electives in education and specifically gives credit to the student seeking a General Master's degree in Education.

EDUC 6340 Bilingual & Bicultural Counseling Strategies (3-0). This course offers a comprehensive and in-depth examination of current theories, research, and strategies in bilingual and bicultural counseling with clients of all ages. Bilingual and bicultural individuals can effectively employ two different languages and successfully navigate in two different cultures. Subsequently, language choice and cultural relevance are therapeutic strategies effectively employed by bilingual and monolingual counselors.

EDUC 6342 Counseling For Crisis, Trauma & Disaster (3-0). This course prepares counselors to respond effectively in critical situations of crises, trauma, and disaster. Students learn crisis assessment, diagnoses, post-traumatic patterns, intervention skills, management, and cultural, ethical, and legal considerations for working with diverse and multicultural populations in community and governmental agencies, schools, hospitals and private practice.

EDUC 6344 Mindfulness-Based Approaches to Counseling (3-0). This course explores mental health, wellness, counseling, and cutting-edge neuroscience through the lens of mindfulness-based counseling paradigms. Emphasis is placed on students developing knowledge and skills in the applications of mindfulness-based theories and strategies in the counseling process.

EDUC 6346 Counseling At-Risk Youth (3-0). This course explores theory and practice related to counseling at-risk youth including the social, multicultural, ethical, and legal issues associated with school failure and drop-out, teen pregnancy and sexuality, substance abuse, violence, and criminal behavior. Emphases are on skill development, prevention strategies and social justice factors.

EDUC 6350 Counseling and the Neurosciences (3-0). This course provides students with an understanding of the relationships between neurological processes and counseling. With emphases on counseling diverse populations, course topics include neurological processes associated with perceptions, cognitions, emotions, behaviors, neuroplasticity, neurogenesis, and psychoactive pharmacological agents used in mental health treatment.

EDUC 6352 Community Treatment Planning & Mental Health Advocacy (3-0). This course provides an in-depth overview of the multidimensional community mental health systems, with perspective on the administrative, organizational, socio-cultural, advocacy and clinical aspects of policy formation, managed care, case-management, legal paradigms and trends in mental health services delivery.

EDUC 6360 Assessment and Counseling of the Older Adult (3-0). This course offers counselors a comprehensive perspective of the aging process. Common life experiences and transitions in later life create specific individual, marriage and family needs which require unique treatment approaches. Special emphasis is placed on assessment, differential diagnosis, treatment planning and implementation, and gerontological counseling strategies.

EDUC 6362 Death, Dying, & Bereavement Counseling (3-0). This course explores the theories and conceptual frameworks for working with death, dying, and bereavement. Students will increase their own affective development and sensitivity in working with clients who are struggling with issues of death, loss and grief, and they will identify, clarify, and understand their own personal assumptions, biases, attitudes, and reactions.

EDUC 6364 Counseling and Human Sexuality (3-0). This course provides counselors with the knowledge and skills for effectively working with clients of diverse backgrounds on issues related to human sexuality. Physical, psychological and cultural aspects of sexuality will be explored with emphasis on enhancing mindful counselor self-awareness.

EDUC 6366 Counseling and Spirituality (3-0). This course will provide counselors with an exploration of theories and techniques appropriate for integrating spirituality into the counseling process. Spirituality and the search for meaning are central elements of the human experience, and they are considered important components of mental health and wellness. Students will learn to assess a client's spiritual domain and develop treatment plans and counseling interventions based on various models of spiritual development. Prerequisite: EDUC 6321 and/or instructor approval

EDUC 7302 Management of Counseling Programs (3-0). An examination of the mission, philosophy, and function of counseling programs in school systems with emphasis on program organization, administration, needs assessment, evaluation, legal and ethical issues, creating community coalitions and outreach, training support staff, and adopting and adapting culturally relevant prevention and intervention programs. Prerequisite: The grade of B or higher in EDUC 5314 and have instructors permission.

EDUC 7305 Workshop in Education (3-0). A special topics course in which the course content varies according to the instructor's course design. May be repeated two times when the course content varies.

EDUC 7306 School Finance (3-0). Consideration of problems relating to public school finance; guiding principles of finance; operational finance; trends; and needs in state and federal participation and support in school finance.

EDUC 7307 Advanced Seminar in Administration (3-0). A course designed especially for elementary and secondary principals and superintendents preparing for public school administration; emphasis on decision-making modes and leadership change strategies.

EDUC 7309 State and Federal Programs in the Public Schools (3-0). A study of federal and state programs currently being used in public schools.

EDUC 7310 Public School Buildings (3-0). A study of past and present building architecture with a special emphasis on building types.

EDUC 7311 Superintendent Internship (3-0). A course which provides the student with a minimum of 100 clock hours of reality experiences in the superintendency in a T.E.A. accredited public, private, or parochial school; students work with a superintendent, assistant superintendent or business manager in the conduct of everyday central office administrative

duties. Prerequisite: must have completed the Principal Certification program. Instructor approval only.

EDUC 7312 Practicum in Reading (3-0). A problems course which provides internship experiences for students seeking the reading specialist certificate. Prerequisites: Completion of a minimum of 15 of the 24 s.c.h. required for reading specialist certification, including EDUC 5308, EDUC 6313, and EDUC 6314. Instructor approval only.

EDUC 7313 Administration Internship (3-0). A course which proves reality experiences in the principalship in a T.E.A. accredited public, private, or parochial school; students spend a minimum of 100 clock hours working with a principal and/or assistant principal in the conduct of everyday administrative duties. Prerequisite: Completion of a minimum of 24 s.c.h. of administration coursework. Instructor approval only.

EDUC 7315 Group Counseling (3-0). This course will provide students with an experiential and interactive opportunity to develop awareness and competence in counseling diverse groups of individuals through exploration of group dynamics, processes, and therapeutic interventions. Prerequisite: Student must have earned a grade of B or higher in EDUC 5314.

EDUC 7316 Practicum in Counseling (3-0). This fieldwork experience will provide students with university and clinical-site supervised practice in counseling in university-affiliated services and community settings. Students must accumulate 100 total clock hours of counseling experience, with at least 40-hours of direct face-to-face counseling contact. Prerequisite: Student must have earned a grade of B or higher in EDUC 6321 and 7315 and have permission of the instructor

EDUC 7317 Internship in Counseling (3-0). This advanced fieldwork experience will provide students with university and clinical-site supervised practice in counseling in university-affiliated services and community settings. Students must accumulate 600 total clock hours of counseling experience, with at least 240 hours of direct face-to-face counseling contact. Prerequisite: student must have earned a grade of B or higher in EDUC 7316 and have permission of the instructor.

ENGLISH (ENG) GRADUATE COURSES

ENG 5300 Studies and Research Techniques in Bibliography and Critical Theory (3-0).

An introduction to graduate research methods in literature, including experience in enumerative and analytical bibliography, and to critical theory as applied to literature.

ENG 5302 Seminar: Creative Writing (3-0). A writing workshop course which may be devoted to fiction, poetry, nonfiction, or other such genres. May be repeated for credit when topic (genre of writing) changes.

ENG 5304 Studies and Research Techniques in General Literature (3-0). Topics include subjects like those named below and are announced in the Schedule of courses for the semester in which they are offered: Contemporary Literature, Folklore, and Multicultural Literature. May be repeated for credit when the topic changes.

ENG 5305 Studies and Research Techniques in English Teaching Methods (3-0). Recent trends and discoveries in teaching methods and learning process as related to the teaching and learning of rhetoric, composition, literature, or creative writing. May be repeated for credit when the topic varies.

ENG 5306 Seminar: Studies and Research Techniques in English Literature (3-0). Topics include subjects like those named below and are announced in the Schedule of courses for the semester in which they are offered: Shakespeare; British Novel; Victorian Poets; Contemporary Fiction. May be repeated for credit when the topic varies.

ENG 5307 Seminar: Studies and Research Techniques in American Literature (3-0). Topics include subjects like those named below and are announced in the Schedule of courses for the semester in which they are offered: Thoreau; American Short Fiction; Southern Fiction; Twentieth-Century Fiction. May be repeated for credit when the topic varies.

ENG 5308 Studies and Research Techniques in the English Language (3-0). A study of specific problems concerned with the English language. May be repeated for credit when the topic varies.

ENG 5309 Readings and Research (3-0). Individually guided research in English or American literature or the English language. May be repeated for credit when the topic varies.

ENG 6301 Thesis Proposal (0-6). Satisfactory completion of this course will result in an acceptable prospectus presented to the Graduate Committee. The student will normally register for this course no earlier than the third semester of graduate study. The student will enroll each semester of summer term in which assistance is provided by committee members or when use of the library or other research facilities of Sul Ross State University is made.

ENG 6302 Thesis Defense (0-6). The student will enroll in this course each semester or summer term in which assistance is provided by committee members or when use of the library or other research facilities of Sul Ross State University is made. Satisfactory completion of this course will result in the completed thesis presented to the Graduate Committee, accepted by the Dean of the College, and filed in the Office of the Executive Vice President and Provost for Academic Affairs.

FINANCE (FIN/FINA) GRADUATE COURSES

FIN 5306 Seminar in Financial Management (3-0). Scope and objective of financial management in the modern corporation; nature and mathematical formulation of underlying relationship in financial decision-making. Theories of capital budgeting, cost of capital, and investment.

FINA 5306 Seminar in Financial Management (3-0). A study of financial theories and applications, including time value of money, valuations of a firm, capital budgeting, cost of capital, capital structure, and dividend policies. (MBA Core Course) Prerequisite: FINA 3302

FINA 5320 Personal Finance (3-0). An introductory course examining various aspects of budgeting, investment, insurance, and retirement planning. An in-depth study of pricing and selection strategies in relation to securities markets.

GENERAL BUSINESS ADMINISTRATION (GBA/GBUS) GRADATE COURSES

GBA 5301 Business Strategy (3-0). Required of all MBA students. Emphasis on the case method. Also emphasis on business simulations, business reporting techniques, and in-depth integration of course content across the MBA curriculum. Prerequisite: 15 SCH of MBA course work.

GBA 5302 Readings and Cases in Business Administration (3-0). Covers one or more special fields. May be repeated for credit as topics change.

GBA 5304 Management Information Systems (3-0). Function of management information systems, decision support systems, executive information systems, and expert systems in business decision making, planning, and control. Management participation information system design and development.

GBA 5308 Problems in Business Administration (3-0). An investigation, analysis, and discussion of business problems, trends, policies, and special topics. May be repeated for credit as topics change.

GBA 5309 Quantitative Analysis and Decision Theory for Business (3-0). Techniques and application of quantitative tools and theories useful for analyzing problems and making decisions. Utilizes microcomputers.

GBA 5310 Project Management (3-0). Project management is the application of skills, knowledge, tools and techniques to various project activities for the successful execution and achievement of project requirements and objectives. Retained concepts and principles from the areas of initiating, planning, executing, monitoring, controlling, and closing process groups are also considered. Specific topics and areas covered may include project integration, project scope, project time & cost and project risk assessment. The course may use cases, problems, and specific project management processes.

GBUS 5301 Business Research and Reporting (3-0). Designed to aid graduate students in analyzing reports and evaluating research and in planning research reports. Selection of research problems, sources of data, analysis, presentation and report-writing are investigated. (MBA Core Course)

GBUS 5302 Readings and Cases in Business Administration (3-0). Covers one or more special fields. Separate sections for accounting, finance, marketing, quantitative analysis, risk management, industrial management, personnel and industrial relations and other fields are dealt with as needed. May be repeated for graduate credit course when course topic changes.

GEOLOGY (GEOL) GRADUATE COURSES

GEOL 5101 Graduate Seminar (1-0). The course deals with modern fields of research in the geosciences. The format varies from group discussions to the presentation of oral reports. The course can be taken for credit up to a maximum of three times. At least one semester is required of all students.

GEOL 5302 Special Problems. (3-0). Qualified students may pursue independent laboratory or field problems under the supervision of the staff. A project proposal is required before enrollment.

GEOL 5304 Special Topics (3-0). A seminar or lecture format may be used when sufficient interest exists in a timely topic. Prerequisite: Graduate standing in geology and by arrangement with the instructor.

GEOL 5306 Advanced Structural Methods (3-0). Discussion of new geophysical, paleomagnetic, and structural methods. Application of these methods in resolving large-scale structural problems to scale, applied structural problems.

GEOL 5308 Advanced Igneous Petrology (3-0). A study of the origin, emplacement, and distribution of igneous rocks utilizing thermodynamics, phase equilibria, major and trace elements, and isotope geochemistry.

GEOL 5317 Aqueous Geochemistry (3-0). The course involves the study of the geochemistry of surface and groundwater as applied to geologic and environmental problems. Prerequisite: Geology 3410 and Chemistry 3404 recommended

GEOL 5320 Advanced Paleontology (3-0). Understanding the basic principles of evolution and ecology through the study of fossil organisms. The use of fossils in paleoenvironmental interpretations.

GEOL 5322 Stratigraphic Analysis (3-0). The determination of the depositional history of sedimentary rocks by the study of lithology and paleontology.

GEOL 5326 Carbonate Petrology (3-0). Origin, classification and diagenesis of ancient and modern carbonate rocks and sediments.

GEOL 5328 Advanced Sedimentation (3-0). Selected recent sedimentary environments and their ancient counterparts. Methods of investigation of sediments and sedimentary rocks with emphasis on terrigenous environments and rocks.

GEOL 5332 Dynamic Stratigraphy (3-0). An analysis of the stratigraphic record emphasizing the relationships between dynamic processes and facies changes in modern and ancient environments.

GEOL 5334 Geological Methodology (3-0). This hands-on course is designed to orient the Geology graduate student to geological research and project design field and lab work, writing and presentation of results. Students will use the geologic literature and sources available in the library and on-line. Students will be made familiar with the geology of west Texas. Field and lab methods of gathering geological information will be demonstrated and practiced. Students will learn about the scientific method and will devise a problem and a methodology to gather data. Students will write outlines and rough drafts. Plagiarism, formatting and editing will be covered. The different MS options will be covered.

GEOL 5402 Interdisciplinary Geographical Information Systems (3-3). This course is designed to introduce the concepts of computer- based spatial data handling, referred to

Geographical Information systems (GIS). The interdisciplinary approach focuses on bringing students from diverse academic backgrounds together in a team effort to learn the fundamentals of GIS, including data sources, input, and analysis, and presentation of results. It is recommended that the student have completed an introductory class in one of the following: geology, biology, natural resource management, archeology, geography, or criminal justice. This graduate version of the class will require a term research project, preferably related to thesis project. Prerequisite: Computer proficiency required. Lab fee: \$8

GEOL 5403 Advanced Geographical Information Systems (3-3). This course is designed to build on the skills learned in the Interdisciplinary GIS class. Topics will include a review of advanced vector analysis, followed by a detailed coverage of raster- based analysis. Projects will include the creation and manipulation of digital elevation models, classification on aerial and satellite imagery, and vector -to- raster conversion and analysis. The projects and assignments will utilize an extensive Trans- Pecos spatial database housed in the Sul Ross GIS lab. Software used will include the Spatial and 3D Analyst extension for ArcGIS and ERDAS Image. The graduate requirements will include a term research project related to the individual student's research interest. Prerequisite: Geology 3401, Geology 5402, or approval of instructor. Lab fee: \$8

GEOL 5404 Special Topics (3-3). A seminar or lecture format may be used when sufficient interest exists in a timely topic. Prerequisite: Graduate standing in geology and by arrangement with the instructor. Lab fee: \$8

GEOL 5405 Special Problems (4-0). Qualified students may pursue independent laboratory or field problems under the supervision of the staff. A project proposal is required before enrollment.

GEOL 6040 Thesis Research (0-18). The student will enroll in this course after earning credit for GEOL 6301 each semester or summer term in which assistance is provided by committee members or when use of the library or other research facilities of Sul Ross State University is made. The course is variable for 1 to 9 credit hours, and may be repeated with approval of advisor. Credit hours earned may not be applied towards the 30 or 36 hours required for the degree. Prerequisite: Master of Science students that have been admitted to candidacy

GEOL 6301 Thesis Proposal (0-6). Satisfactory completion of this course requires an acceptable prospectus presented to the Graduate Committee. The student will normally register for this course no earlier than the second semester of graduate study. The student will enroll each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made.

GEOL 6302 Thesis Defense (0-6). The student will enroll in this course at the time of the defense, and after earning credit for GEOL 6301 (Thesis Proposal). Satisfactory completion of this course will result in the completed thesis presented to the Graduate Committee, accepted by the Dean of the School, the Dean of the Graduate School, and filed in the Office of the Provost and Vice President for Academic and Student Affairs. Prerequisite: GEOL 6301.

HISTORY (HIST/HST) GRADUATE COURSES

HIST 5301 Historiography (3-0). A survey of the literature of history; Intensive studies of the style and philosophy of leading historians, the nature and extent of material for writing history. May be repeated in different topic. Successful completion of this course is required for the graduate degree in history.

HIST 5302 Seminar in Texas History (3-0). Topics to be announced. May be repeated for credit as topic varies. May be used to fulfill requisite nine semester credit hours in American History for the graduate student in history.

HIST 5303 Seminar in Mexican History (3-0). Topics to be announced. May be repeated for credit as topic varies. May be used to fulfill requisite nine semester credit hours in United States History or in non-United States History for the graduate student in history.

HIST 5304 Seminar in World History (3-0). Topics to be announced. May be repeated for credit as topic varies. May be used to fulfill requisite nine semester credit hours in non-United States History for the graduate student in History.

HIST 5308 Seminar in European History (3-0). Topics to be announced. May be repeated for credit as topic varies. May be used to fulfill requisite nine semester credit hours in non-United States History for the graduate student in History.

HIST 5310 Seminar in American History (3-0). Topics to be announced. May be repeated for credit as topic varies. Students must complete nine semester credit hours in American History for the graduate degree in History.

HIST 5312 Historical Research and Writing Methods (3-0). An individualized course with varying topics to be chosen by the instructor in consultation with the student. Successful completion of the course is required for all graduate students in History. The student may repeat this course in a different topic for additional credit.

HIST 5313 Special Topics (3-0). Selected topics in areas of history. May be repeated for credit when topic varies.

HIST 6301 Thesis Proposal (0-6). Satisfactory completion of this course will result in an acceptable prospectus presented to the Graduate Committee. The student will normally register for this course no earlier than the second semester of graduate study. The student will enroll each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made.

HIST 6302 Thesis Proposal (0-6). An oral examination in the defense of the thesis will be conducted by the thesis committee after the final draft has been completed, no less than fourteen days prior to graduation. The thesis committee must meet requirements of the College of Arts and Sciences. The committee will designate the student's achievement by awarding one of three grades: Pass with Distinction, Pass or Fail. Prerequisites: HIST 6301 and consent of the advisor required.

HST 5301 Ancient Civilization and Culture: Readings and Research (3-0). This course examines ancient civilization and culture beginning with factors contributing to increasingly complex societies. Students examine civilizations from regions including Latin America, the Mediterranean, and Asia. Topics cover both broad trends and more focused cases in civilization development. Topics may vary.

HST 5306 Latin American History: Readings and Research (3-0). This course explores Latin American history over four major chronological eras: pre-colonial, colonial, independence, and modern. The course emphasizes major trends that shaped Latin American history and includes focus on localized topics which may vary.

HST 5307 Modern Europe, 1750-Present: Readings and Research (3-0). This course examines major developments in European history beginning with the industrial revolution and French revolution that laid much of the foundation for the modern era. Students explore topics such as the changing nature of colonialism, technological innovation, effects of the world wars, political revolutions, the Cold War, and the creation of the European Union in addition to focused instructive cases. Topics may vary.

HST 5308 Seminar in European History (3-0). Topics to be announced. May be repeated for credit as topic varies.

HST 5311 United States History, 1600-1865: Readings and Research (3-0). This course focuses on early United States history beginning with an examination of the general state of North American and Native American groups. Topics may include colonial development, pre-revolution events, challenges of the early republic, slavery, westward expansion, and factors contributing to the Civil War. Topics may vary.

HST 5312 Readings and Research (3-0). An individualized course with varying topics to be chosen by the instructor in consultation with the student.

HST 5313 Special Topics (3-0). Selected topics in areas of history. May be repeated for credit when topic varies.

HST 5314 United States History, 1865-Present: Readings and Research (3-0). This course focuses on United States history following the Civil War. Topics may include reconstruction, the development of the nation in the late 1800s, technological innovation, World War I, the Great Depression, World War II, the civil rights era, recent political and cultural developments. Research may focus on localized topics within the regional and national context.

INTERNATIONAL BUSINESS (IBUS) GRADUATE COURSES

IBUS 5313 Global Management (3-0). The course establishes the economic and organizational context in which corporate strategic decisions take place. This course extends the discussion internationally, by considering the essential differences between domestic and international competition, fundamental European, U.S., and Japanese principles of formulating strategy and the growing reliance on global strategic alliances. New forms of doing business internationally are discussed, emphasizing the process of building new foundations for acquiring competitive advantage on global scale. In particular, mechanisms leading to the creation of an information and knowledge based global company are shown and examined.

KINESIOLOGY (KES) GRADUATE COURSES

KES 5305 Research Methods (3-0). An introduction to the fundamental concepts of research design, measurement, statistical analysis and scientific inquiry as they apply to understanding and evaluating published research. Upon completion of this course, students should be informed about the relevance of published research to their own practice and research.

KES 5307 Issues in Sports Law (3-0). This course covers various individual and non-professional sports law issues and focuses on the regulation of interscholastic, intercollegiate, and Olympic sports. Topics covered include tort law, contract law, Title IX gender discrimination, the relationship between the college athlete and university, drug testing of amateur athletes, the regulatory authority of the NCAA, and the rules and regulations pertaining to "amateurism" and use of agents.

KES 5312 Advanced Human Nutrition (3-0). Dietary factors associated with chronic disease development are examined with an emphasis on heart disease, stroke, cancer, diabetes, osteoporosis, and neurodegenerative diseases. Students will access diets and provide alternative food choices to lower chronic disease risk. Acute and chronic exercise's effects on nutrient requirements metabolism and the ergogenic efficacy of dietary supplements receive substantial attention.

KES 5313 Physiological Basis of Human Performance (3-0). The purpose of this course is to prepare the student in the areas of exercise physiology. The goals of this course are to provide the student with an active learning experience that will increase their knowledge of (a) energy metabolism and nutrition, (b) aerobic and anaerobic principles of work and exercise, (c) body composition measurement themes in exercise science, (d) cardiorespiratory/renal responses to exercise, (e) muscular/neural responses to exercise, and (f) thermoregulation during exercise in differing environments. Historical and contemporary concepts of exercise physiology will be discussed to improve the student's understanding of the genesis and progression of exercise physiology throughout the twentieth century. This course will prepare the student for practical applications of exercise physiology.

KES 5314 Diagnostic Test and Measurement in Exercise Science (3-0). This course will provide students with the background in the appropriate design structures, both qualitative, for research projects. Within the different framework of experimental designs, an emphasis will be on how to collect and organize data, data clearing, statistical analysis, and the interpretation of data. At the conclusion of the course, the student should have identified and be comfortable applying the appropriate experimental design for the thesis/project.

KES 5315 Group Dynamics (3-0). An analysis of small-group structures and function with emphasis on leadership, membership, attitude and value formation, and role theory. 1. To provide the students with an analysis and understanding of small-group structure and function with emphasis on leadership, membership, attitude formation, value formation, and role theory. 2. To acquaint the students with basic methods of effective management and control of the group situation. 3. To provide practical application of small-group principles to simulated situations.

KES 5316 Neurological Basis for Motor Learning and Control (3-0). This course is designed to provide an understanding of psychological/physiological principles involved in motor learning, control, and performance in skill acquisition for school-age- children and adult populations.

KES 5373 Health and Human Behavior (3-0). This course explores the process and methods

of scientific inquiry and interpretation of research findings in kinesiology. Students will gain familiarity with the major elements of research including literature review, quantitative and qualitative methodology, design, evaluation of research, statistical analysis, presentation of data, and ethical considerations. This course also provides an overview of statistics including descriptive and inferential statistics and one-way ANOVA. Students should have a basic understanding of conducting library and Internet information searches prior to taking this course.

KES 5609 Advanced Practicum in Exercise Science (0-6). Limited to students who have completed all 24 hours and have demonstrated their ability to complete their internship work sponsored by the Kinesiology Department and who are considered able to do independent work. Before registering for the internship, students would have completed all 24 hours on their degree plan and consult with the advisor concerning their program of study. Students are expected to work independently with supervisors, mentors, or directors. Evidence of progress demonstrated by papers and discussion and a portfolio defense. Consent of a faculty supervisor and program coordinator. Prerequisite: KES 5305, 5307, 5312, 5313, 5314, 5315, 5316, 5373

LIBERAL ARTS (LA) GRADUATE COURSES

LA 5101 Prospectus for Master's Project (0-1). Students will prepare and present an acceptable prospectus to their committee which describes the project to be undertaken in LA 5301. The project must reflect or incorporate ideas, subject material, research, or creative work from the three disciplines selected for study. Students should enroll in this class after consulting with their advisor and/or committee and must complete the class before enrolling in LA 5301. Prerequisite: Permission of graduate committee.

LA 5301 Master's Project (0-3). Students will complete the interdisciplinary project proposed in LA 5101, submit it to their committee, and respond to questions from the committee in an oral interview/defense. The project may take the form of a creative production (such as an exhibit, performance, portfolio, or video); an extended paper or publishable article; an internship; or a practicum. Projects in other formats are acceptable if they have been approved by the student's committee. This course is to be taken as the final course for the Master of Arts in Liberal Arts program. Prerequisite: Permission of graduate committee and successful completion of LA 5101

MANAGEMENT (MGMT/MGT) GRADUATE COURSES

MGMT 5303 Management Policy (3-0). An examination of the task of managing with a strategic focus utilizing the tools and techniques of strategic analysis as they affect both strategy formulation and implementation.

MGMT 5304 Seminar in Management (3-0). Careful study of the management process of planning, organizing, controlling, etc., based on extensive reading and case problem analysis. (MBA core course)

MGMT 5307 Managing Organizational Change (3-0). This course exposes students to the process of organizational change. It discusses why change happens and why it is important for management to look at change in a proactive manner in order to stay ahead of potential industry and market demands. One of the course major goals is to help students develop an awareness of the issues involved in managing change and help them realize that there is a variety of change approaches and not only a single “best” approach to change situations.

MGMT 5314 Methods in Operations Management (3-0). Systems and specialized models in the management of production facilities and applications including Total Quality Management (TQM) and Just-In-Time (JIT) systems.

MGT 5304 Seminar in Management (3-0). Special topics in the application of the processes of management.

MGT 5312 International Management (3-0). A study of the objectives and strategies of international business with an emphasis on the economic analysis of international business strategy formulation.

MARKETING (MKT/MKTG) GRADUATE COURSES

MKT 5303 International Marketing (3-0). An advanced approach to developing marketing programs and strategies in the global environment. Exposure to the pervasiveness of global marketing competition.

MKT 5305 Seminar in Marketing (3-0). An advanced graduate course in marketing management and appropriate marketing program development.

MKTG 5305 Seminar in Marketing (3-0). Analysis of policy formulation by marketing management with special emphasis on the influence of marketing institutions, market structure, governmental regulation and fluctuation in population and national income. (MBA Core Course)
Prerequisite: MATH 2413 or permission of instructor.

MKTG 5306 Brand Management (3-0). An elective course for MBA students interested in expanding their marketing knowledge/skills beyond what they learned in the core MBA marketing course, MKTG 5305, Seminar in Marketing. Students will learn, both from an academic and practitioner point-of-view, how brands reduce consumer risk and simplify their purchasing decisions. MBA Course. MBA Only

MATHEMATICS (MATH/MTH) GRADUATE COURSES

MATH 5301 Special Topics in Mathematics (3-0). Selected topics in theoretical and applied mathematics. The course may be repeated for different topics. Offered when needed. Prerequisites: Permission of instructor.

MATH 5302 Topics in Mathematics Education (3-0). Selected topics in mathematics and mathematics education which relate to the teaching of K-12 mathematics. The course may be repeated for different topics. Offered when needed. Prerequisite: Permission of instructor.

MATH 5303 Individual Studies (3-0). Independent study of selected topics in mathematics. This course may be repeated during different semesters. Prerequisite: Permission of instructor.

MTH 5301 Special Topics in Mathematics (3-0). Selected topics in theoretical and applied mathematics which are of particular interest to teachers of mathematics. The course may be repeated for different topics. Prerequisite: Baccalaureate degree and permission from the instructor.

MTH 5303 Fourier Series and Orthogonal Functions (3-0). Function spaces, orthogonal functions, Fourier series, Legendre polynomials, spherical harmonics, heat and temperature, waves and vibrations. Prerequisite: MTH 3303 and MTH 3304 or permission of the instructor.

MTH 5305 Advanced Geometry (3-0). Classical geometry from an advanced viewpoint, including Euclidean Geometry, axiomatic systems, constructability, regular polytopes, projective geometry and non-Euclidean geometry. Prerequisite: MTH 4301 or MTH 4307 or permission of the instructor.

MTH 5307 Mathematics History (3-0). Provides a survey of the history and development of mathematical thought from ancient to modern times including biographical perspectives. Prerequisite: MTH 5305 or permission of the instructor.

MTH 5309 Advanced Algebra (3-0). Groups, rings, integral domains and fields, polynomial rings, Galois Theory and related topics. Prerequisite: MTH 4301 or permission of the instructor.

MTH 5311 Real Analysis (3-0). Metric spaces, Lebesgue measure, integration, differentiation, function spaces and harmonic analysis. Prerequisite: MTH 4307 or permission of the instructor.

MUSIC (MUS) GRADUATE COURSES

MUS 5112 Musical Theatre Performance (0-2). Advanced instruction in the preparation and performance music of the musical theatre idiom. Performances may be staged or sung in a concert setting, depending on the repertoire for the given semester. Prerequisite: Students must be able to accurately match pitch and sing confidently alone or with a group. Placement auditions may be held at the beginning of the semester.

MUS 5113 Musical Theatre Ensemble (0-2). Advanced instruction in the preparation and performance music of the musical theatre idiom. Performances may be staged or sung in a concert setting, depending on the repertoire for the given semester. Prerequisite: Students must be able to accurately match pitch and sing confidently alone or with a group. Placement auditions may be held at the beginning of the semester.

MUS 5319 Individual Research Problems in Music (0-3). The student will do independent work in a limited area of music selected in consultation with the instructor in terms of both departmental and student interest and needs.

MUS 5320 Seminar in Instrumental Pedagogy (3-0). Advanced study of teaching methods, analysis, rehearsal and performance for musical instrument or voice in the individual or group setting. May be repeated for credit when topic varies.

MUS 5321 Seminar in Vocal Pedagogy (3-0). Advanced study of teaching methods, analysis, rehearsal and performance for musical instrument or voice in the individual or group setting. May be repeated for credit when topic varies.

NATURAL RESOURCE MANAGEMENT (NRM) GRADUATE COURSES

NRM 5101 Graduate Seminar (1-0). A course designed to give graduate students the opportunity to present oral papers and receive evaluation of the presentation, or to review job search techniques and employment opportunities for new graduates. Should be repeated for credit (proposal and defense semesters).

NRM 5302 Seminar in Range and Wildlife Management (3-0). This course is designed to be flexible to meet the needs of graduate students studying various disciplines in Range and Wildlife Management. May be repeated under different subject matter titles. Recent courses include GIS applications; Applied Wildlife Research; Wildlife Research, Grants, and Publications; Principles of Ecology; Wildlife Conservation for Teachers; Advanced Techniques in Vegetation Analysis; Range Research Techniques. May be repeated under different subject matter titles.

NRM 5303 Special Topics (3-0). Advanced studies in current agricultural and natural resource sciences research. Topics assigned according to student interest and need. Registration approval by the NRM chair. May be repeated under different subject matter titles.

NRM 5304 Research (0-6). Advanced studies in natural resource management. Problems assigned according to the experience, interest, and needs of the individual student. Registration approval by the NRM chair.

NRM 5305 Range and Wildlife Research Methods (3-0). An overview of the design and analysis of research projects pertaining to the ecology and management of wildlife species and rangeland ecosystems. Specific problems pertaining to the Trans-Pecos region will be stressed, but regional and national issues will be discussed. Methods discussed in the classroom will be applied in field situations.

NRM 5306 GIS, GPS, and Remote Sensing for Resource Managers (2-2). An advanced course on the rapidly growing geographic technology used by natural resource managers and scientists including: geographic information systems (GIS), global positioning systems (GPS), and remote sensing methods. Prerequisite: Geology 3401

NRM 5311 Scientific Writing (3-0). An advanced study of proposal and thesis format in Animal Science or Range and Wildlife Management. Covers publication styles common in each student's chosen field. Scientific publications are emphasized.

NRM 5316 Project Research (1to9-0). Research for thesis project. May be repeated. Prerequisite: Master of Science students that have been admitted to candidacy. May be repeated.

NRM 5320 Environmental Law and Policy (3-0). This course will provide a conceptual framework of the legal system with regards to natural resources. This course examines the existing policies and laws regulating wildlife, water, and land use; and reviews the roles and philosophies of various regulating and policy-making agencies including federal, state, and private organizations. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5321 Wildlife and Society (3-0). This is an advanced course on the theory and applications for considering human dimensions in wildlife conservation. Course emphasis will include human values, the role of constituency groups, natural resource policy development,

conflict resolution, group decision-making, and community-based conservation. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5322 Sustainability (3-0). This course examines the theories, principles, and practices of sustainability. Topic covered will include water, resources, food production, urban development, and economics. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5323 Social Media and Outreach (3-0). This course examines the various forms of social media and their use in education and outreach. This course reviews the latest trends in social media, use including audience demographics and best practices specific to the field of natural resource conservation. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5324 Conservation Biology (3-0). This is an advanced course exploring conservation-oriented research, including threats to biodiversity, biogeography, extinction, conservation genetics, landscape connectivity, endangered species conservation, ecological restoration, and conservation education. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5325 Natural Resource Conservation (3-0). This course is a study of rangeland communities, including principle forage species characteristics, growth and phenology; resource planning and management; the effects of range livestock and wildlife on range vegetation; the study of plant succession and climax in relation to grazing and ecological conditions. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5326 Silviculture (3-0). This course examines ecological processes affecting establishment and growth of forest stands with particular emphasis on forest types throughout the United States. This course will also cover forest stand productivity, hoe productivity is influenced by site, stand dynamics, climatic factors, and application of specific prescriptions to establish and manipulate composition, growth, and health of forest stands. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5327 Soils (3-0). This course is an advanced overview of soil science and soil management. This course will include soil taxonomy, physical properties, nutrient cycling, carbon cycling, and soil moisture principles and management. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5328 Principles of Game Management (3-0). This course is an application of the principles of wildlife management to game species with a focus on the biology and behavior of big game, waterfowl, and upland bird species, and how this influences habitat management, production, population characteristics, and management strategies for each species. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5329 Internship (3-0). This course is designed to combine classroom theory with practical application through job-related experiences. Students are either employed by or volunteer with a natural resource conservation organization and work with a pre-approved project. THIS COURSE WILL NOT BE AVAILABLE TO STUDENTS PURSUING AN M.S. IN NATURAL RESOURCE MANAGEMENT WITHOUT WRITTEN PERMISSION FROM THEIR GRADUATE COMMITTEE.

NRM 5403 Special Topics (4-0). Advanced studies in current agricultural and natural resource sciences research. Topics assigned according to student interest and need. Registration approval by the NRM chair. May be repeated under different subject matter titles.

NRM 5409 Wildlife Population Dynamics (3-2). Advanced course dealing with the mechanics of growth and structure of populations, departures from stability and natural and artificial regulation of population levels, and techniques used to survey and monitor wildlife populations.

NRM 5412 Biostatistical Analysis Theory (3-3). An introduction to statistical concepts and models applied to agricultural and biological systems. The course introduces the scientific method, inferential theory, data types, experiment design, descriptive statistics, the normal distribution, and null hypothesis significance testing (NHST) for these scenarios; one-sample, two-independent-sample, two paired sample, multi-sample 1-way (ANOVA), multiple comparisons, factorial and nested ANOVA, multivariate ANOVA, data transformations, linear regression, and correlation, multiple regression and correlation, polynomial regression, goodness of fit, contingency tables, and testing for randomness. Emphasis is on theory and hand-calculations. Offered fall.

NRM 5413 Biostatistical Analysis Application in R and SPSS (2-4). An advanced course in statistical concepts and models applied to agricultural and biological systems. Emphasis will be placed on data analysis and interpretation using computer statistical applications. The course applies all null hypotheses significance testing (NHST) procedures taught in NRM 5412, first in Program SPSS, then in Program R after the thorough overview of R programming. NHST theory for these advanced scenarios will also be introduced and applied in R; Generalized Linear Models (GLMs) including Poisson regression, dichotomous variables, binomial distribution, and proportion testing and logistic regression: Generalized Linear Mixed Models (GLMMs); and circular distributions.

NRM 6301 Thesis Proposal (0-6). Satisfactory completion of this course will result in an acceptable prospectus presented to the Graduate Committee. The student will normally register for this course no earlier than the second semester of graduate study.

NRM 6302 Thesis Defense (0-6). The student will enroll in this course each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made. Satisfactory completion of this course will result in the completed thesis presented to the graduate committee, accepted by the Graduate Dean and filed appropriately.

POLITICAL SCIENCE (PS) GRADUATE COURSES

PS 5301 Seminar in Comparative Government (3-0). An examination of various approaches to the study of comparative government with individual research problems designed to explore specific topics. May be repeated when topic varies.

PS 5302 Seminar in International Relations (3-0). An examination of key concepts and approaches to the study of international relations in connection with a study of recurrent issues and topics through individual research problems. May be repeated when topic varies.

PS 5303 Public Administration Survey (3-0). The conduct of public business by organized agencies at national, state and local levels. (Public Administration)

PS 5305 Readings and Research in Government (3-0). A readings and research course for graduate students in political science designated to meet needs not provided for in other available courses. May be repeated for credit with the approval of the department.

PS 5307 Scope and Methods in Social Science (3-0). An introduction to the subject matter of the social sciences and the major contemporary approaches to it. This course is cross referenced with Criminal Justice 5334

PS 5308 Case Studies in Public Administration (3-0). Case studies and readings in administration, organization, processes, and goals; the major and characteristic problems of public administration approached through analysis of actual incidents in various executive agencies and theoretical explanations of administrative behavior. Applicable to administration in education settings. (Public Administration)

PS 5309 Internship in Public Administration (3-0). Students who enroll in this course are involved in work experience in public or non-profit agencies. Permission of the department chairman required. Academic and work experience evaluations. Maximum of six semester credit hours allowed toward degree requirements. (Public Administration)

PS 5310 Public Budgeting and Finance (3-0). Focuses on the development and execution of various budgeting systems with special attention given to the political content of the budgetary process in the public sector. (Public Administration)

PS 5311 Intergovernmental Relations (3-0). A study of governmental relations among public administrators at various levels—national, state, regional, local—focusing on interactions among these public officials. (Public Administration)

PS 5312 Agency Politics (3-0). A seminar which deals with the several types of non-electoral politics in which public agencies are regularly involved: intra-organizational conflicts, accommodations, negotiations and competitions; and inter-organizational with other agencies, clientele-constituency groups, and legislative and executive entities. (Public Administration)

PS 5313 Public Policy Analysis (3-0). Focuses on techniques used in policy development, adoption, and evaluation in the public sector. Topics include policy reviews, needs assessment, the establishment of goals and objectives, and the analysis of benefits, costs, and risks. (Public Administration)

PS 5315 Local Government Administration (3-0). Administration of local government with particular reference to small cities in Texas. May also include counties, metro-systems, school districts, and other special purpose units. (Public Administration)

PS 5316 Special Topics in Public Administration (3-0). Special courses in Public Administration not included in the regular curriculum. May be repeated for credit with

departmental approval. (Public Administration)

PS 5317 Seminar in U.S. Government (3-0). Course focuses on selected topics in U.S. Government. May be repeated when topic varies.

PS 6301 Thesis (0-6). Satisfactory completion of this course will result in an acceptable prospectus presented to the Graduate Committee. The student will normally register for this course no earlier than the second semester of graduate study. The student will enroll each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made.

PS 6302 Thesis (0-6). The student will enroll in this course each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made. Satisfactory completion of this course will result in the completed thesis presented to the Graduate Committee, accepted by the Dean of the College, and filed in the Office of the Executive Vice President and Provost for Academic Affairs.

PSYCHOLOGY (PSY) GRADUATE COURSES

PSY 5140 Readings and Research in Graduate Psychology (0-1). Selected readings and/or research at the graduate level in psychology offered as individual study. May be offered as variable credit to meet project requirements as determined by instructor. May be repeated with approval of instructor and/or major professor.

PSY 5240 Readings and Research in Graduate Psychology (0-2). Selected readings and/or research at the graduate level in psychology offered as individual study. May be offered as variable credit to meet project requirements as determined by instructor. May be repeated with approval of instructor and/or major professor.

PSY 5301 Thesis (3-0). Satisfactory completion of this course will result in an acceptable prospectus presented to the Graduate Committee. The student will normally register for course no earlier than the second semester of graduate study. The student will enroll each semester or summer term in which assistance is provided by Committee members or when use of the library or other research facilities of Sul Ross State University is made.

PSY 5302 Thesis (3-0). Student will enroll in this course each semester or summer term in which assistance is provided by the Committee or when use of the library or other research facilities of Sul Ross State University is made. Satisfactory completion of this course will result in the completed thesis being presented to the Graduate Committee, accepted by the Dean of the School, and filed in the Office of the Provost and Vice President for Academic and Student Affairs.

PSY 5313 Empirical Procedures for Human Services (3-0). Statistics and research designs for understanding psychological literature and conducting basic research in human support settings. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5314 Multicultural Psychology, Ethics and Profession Problems for Human Services (3-0). The ethics of professional psychological practice with special consideration of multicultural issues. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5321 Community Psychology: Trauma and Disaster (3-0). Principles of community psychology, trauma and disaster applied to rural community intervention planning and implementation. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5322 Psychological Interventions (3-0). Principles of psychotherapy for human services focusing on cognitive, existential/humanistic, psychodynamic and group techniques. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5325 Psychobiology for Human Services (3-0). Brain and behavior relationships including drug effects on consciousness, therapeutic and detrimental effects of heredity and environment in the developmental context, and the ethics of animal research in these and related topics. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5326 Assessment of Psychopathology and Human Problems (3-0). Interviewing and other assessment procedures to arrive at clinical diagnosis and the understanding of a human life. Documentation and report writing are considered. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5330 Humanistic Psychology (3-0). Didactic and experiential introduction to the theory

and practice of person-centered approaches. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5333 Teaching of Psychology Proseminar (3-0). Introduction to the general theory and practice of teaching undergraduate psychology followed by consideration of applications in frequent undergraduate course topic areas. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5335 Psychobiology (3-0). This course describes the relationship between the brain and behavior. Students will learn how certain drugs affect behavior and consciousness in detrimental of therapeutic ways. The student will also discuss the interaction between heredity and environment in the developmental context, the biology of Schizophrenia and depression, the ethics of animal research and the relevance of comparative psychology.

PSY 5339 Topics in Graduate Psychology (3-0). Special graduate courses in psychology not in the regular curriculum will be offered under this heading. May be repeated for credit with departmental approval.

PSY 5341 Psychology Intervention Practicum (3-0). Supervised experience working with clinical problems and populations including assessment, intervention, consultation and liaison. May be taken repeatedly for credit. Prerequisites: Psychology program graduate standing and/or permission of instructor

PSY 5342 Teaching of Psychology Practicum (3-0). Supervised experience in teaching psychology through assisting with introductory psychology discussion sections and supervised lesson planning, implementation and evaluation of segments of frequent undergraduate course offerings undertaken semi-independently, May be taken again for credit. Prerequisites: Psychology program graduate standing and/or permission of instructor

QUANTITATIVE ANALYSIS AND STATISTICS (QMTS) GRADUATE COURSES

QMTS 5309 Quantitative Analysis and Decision Theory for Business (3-0). A study of decision-making under uncertainty, decision-making under risk, decision trees, utility theory, linear regression, time series forecasting models, linear programming (graphical method and simplex method), and project management. (PERT/CPM). (MBA Core Course) Prerequisite: QMTS 4311

SOCIOLOGY (SOC) GRADUATE COURSES

SOC 5303 *Multicultural Society (3-0)*. Analysis of the concepts of "culture" and "social system" as treated in sociological literature combined with the study of social behaviors of distinct culture groups in the United States.

SOC 5304 *Readings and Research in Sociology (3-0)*. A reading and research course for graduate students. May be repeated for credit with the approval of the department.

SOC 5305 *Special Topics in Sociology (3-0)*. Selected topics in the area of Sociology. May be repeated when topic varies.

SPANISH (SPAN) GRADUATE COURSES

SPAN 5303 Studies in Spanish American Literature (3-0). Selected authors, works, and genres from Central American, South American, and Mexican literature, including such periods as Colonial, Nineteenth Century, and Modern. Course may be repeated for credit when topic varies.

SPAN 5309 Readings and Research (3-0). Individually guided research in Spanish or Spanish-American literature or in Spanish language and linguistics study. May be repeated for credit when the topic varies.

THEATRE (THEA) GRADUATE COURSES

THEA 5112 Musical Theatre Performance (0-2). Advanced instruction in the preparation and performance music of the musical theatre idiom. Performances may be staged or sung in a concert setting, depending on the repertoire for the given semester. Prerequisite: Students must be able to accurately match pitch and sing confidently alone or with a group. Placement auditions may be held at the beginning of the semester.

THEA 5303 Seminar in Theatre (2-2). An advanced study of problems of analysis, design, rehearsal and performance in theatre. May be repeated for credit when topic varies.

THEA 5304 Theatre Workshop (1-4). An advanced study of problems of analysis, design, rehearsal and performance in modern theatre and classic revivals. May be repeated for credit.

THEA 5305 Individual Research (0-4). Directed individual research in selected areas of theatre and dramatic arts. May be repeated for credit when topic varies.

WOMEN'S STUDIES (WS) GRADUATE COURSES

WS 5301 Introduction to Women's and Gender Issues (3-0). An interdisciplinary approach to women's and gender studies including historical, legal, psychological, political, scientific, and aesthetic issues.

WS 5302 Topics in Women's Studies (3-0). Studies of specific topics such as Women's Autobiographical Writing, Communication and Gender, Women and the Arts, Comparative Women's History, Gender and Criminal Justice, Postcolonial Women Writers, Global Feminisms. May be repeated for credit when topic varies.