**MUSIC TECHNOLOGY (MUTC)**

141: Music Technology. 1-2 semester hours. Individualized instruction in the techniques of working with various sound sources and resources in the field of music technology.

301: Computer Science in Music. 2-2-3. Study of general computer applications and music related applications including notation, graphics, sound generation, sequencing, audio manipulation, and other related uses.

**MUSIC THEORY (MUTH)**

100: Rudiments of Music Theory. 0-2-2. Instruction in the fundamentals of music theory including reading, notation, and aural skills.


201: Music Theory IV. 2-2-2. Preq., MUTH 103. Continuation of MUTH103 with emphasis on the organization and interaction of melodic, harmonic and rhythmic concepts and music forms. Aural training and functional keyboard is intensified in proportion to the depth of course content.


301: Music Composition. 0-3-3. Preq., MUTH 203. A survey of the techniques of 20th century composition with projects consisting of the writing of short compositions illustrating these techniques.

302: Form and Analysis. 0-3-3. Preq., MUTH 203. A study of specific examples of the major forms of composition to show the relative importance of detail to the overall comprehension of a composition.


370: Instrumental Arranging. 0-2-2. Preq., MUTH 203. A study of writing for the individual instruments of the band and orchestra, the combinations of instruments in the various sections, and the combination of all the sections.

401: Counterpoint. 0-3-3. Preq., MUTH 203. A study of contrapuntal practice of the 18th and 19th centuries with emphasis on the understanding of counterpoint within a harmonic context.

**NURSING (NURS)**

109: Introduction to Nursing. 0-2-2. An introduction to the health care system and professional nursing. Basic human needs, the elderly client, and concepts related to death and dying are introduced.

110: Introduction to Application of the Nursing Process. 8-0-3. Coreq., NURS 109, and credit or registration in BISC225 and 226. Acquaints student with basic nursing principles and techniques of safe nursing care to meet basic human needs. Emphasis on interpersonal skills, communication, interviewing and observation.

112: Adult Health Maintenance I. 8-3-5. Preq., NURS 109 and 110 and BISC 225 and 226 and credit or registration in BISC227. Study, identification and application of nursing knowledge and skills related to adult health needs. Emphasis on patient-centered care utilizing the nursing process.

113: Introduction to Associate Degree Nursing. 0-0-10. Emphasizes the nursing process and basic human needs with introduction to associate degree nursing roles. Principles are applied with validation in the clinical setting.

114: Adult Health Maintenance II. 8-3-5. Preq., NURS 112 and BISC 225, 226, and 227. Continuation of the study, identification and application of nursing knowledge and skills related to adult health needs. Emphasis on patient-centered care utilizing the nursing process.

116: Adult Neuro/Psycho-Social Health Maintenance. 8-3-5. Preq., NURS 114 and PSYC 102. Utilizes nursing knowledge/skills in provision of health care. Emphasis on nursing care of clients experiencing threats to health needs as a result of neuro-psycho-social dysfunction.

210: Maternal/Newborn Health Maintenance. 8-3-5. Preq., NURS 116. Study/application of principles and concepts of family-centered maternal/newborn care. Emphasis on meeting specific needs of clients during the childbearing cycle and newborn period.

212: Child Health Maintenance. 8-3-5. Preq., NURS 116 and PSYC 408. Study/application of nursing knowledge/skills related to children's and adolescent's health needs. Includes growth and development, family, and prevention of and intervention in illness.

214: Nursing Seminar. 0-1-1. Preq., Credit in all previous nursing courses. Study of current nursing trends in light of evolving patterns and practices. Emphasis on professional opportunities and obligations and legal aspects of nursing practice.

216: Nursing Practicum. 24-4-7. Coreq., NURS 214. Preq., Credit in all other nursing courses. Integration of knowledge and skills acquired in previous nursing courses in caring for clients with complex and/or multiple threats to basic needs.

280: Selected Topics. 1-3 hour(s) credit (6). Preq., Approval by Nursing Division Director. Independent study course designed for students to become involved with creative learning opportunities related to nursing research, theory and practice.

**PHILOSOPHY (PHIL)**

201: Introduction to Philosophy. 0-3-3. Preq., junior standing or permission of the instructor. Philosophical vocabulary; types and problems of philosophy; major philosophical positions. Statewide Transfer Agreement Course*.

305: Ethics. 0-3-3. Preq., PHIL 201 or permission of the instructor. A study of the writings of the major moral philosophers, beginning with the Greeks and continuing to the present.

**PHYSICS (PHYS)**

102: Introductory Physics. 2-1-1. An introductory survey of physics, use of library resources, and basic computation.

103: Introductory Physics. 2-1-1. A continuation of PHYS 102.

104: Introductory Physics. 2-1-1. A continuation of PHYS 103.


202: Physics for Engineering and Science II. 0-3-3. Preq., PHYS 201 and MATH 242. A continuation of PHYS 201, with emphasis on electromagnetic phenomena and optics.

205: Conceptual Physics I. 0-3-3. Qualitative discussion of physical principles and concepts, intended for non-technical majors and those interested in the cultural aspects of the subject.

206: Conceptual Physics II. 0-3-3. A continuation of PHYS 205.


210: General Physics II. 0-3-3. Preq., PHYS 209. A continuation of PHYS 209, with emphasis on problems in electricity and magnetism, optics, and modern physics. Statewide Transfer Agreement Course*.

220: Astronomy - The Solar System. 0-3-3. An introduction to astronomy, covering the history of astronomy and the solar system. Statewide Transfer Agreement Course*.

221: Introduction to Astrophysics. 0-3-3. Introduction to astronomy, with emphasis on physical principles. Application of mechanics to orbits of planets and multiple stars. Atomic theory applied to stellar spectra. Nuclear reactions in stars.

230: Astronomy - The Stars and Galaxies. 0-3-3. An introduction to Astronomy, covering the stars, galaxies, and the universe.

261: General Physics Laboratory. 4 1/2-0-1. Preq., MATH 112 or 241. Laboratory investigations of basic physical principles. Statewide Transfer Agreement Course*.

262: General Physics Laboratory. 4 1/2-0-1. Preq., MATH 112 or 241. Laboratory investigations of basic physical principles. Statewide Transfer Agreement Course*.

303: Geometrical Optics. 0-3-3. Preq., PHYS 202. The study of thick lenses, lens system layouts, aberrations, photometric theory applied to optical systems, optical instruments and matrix optics.


320: Optics Laboratory I. 4 1/2-0-1. Experiments in optics to demonstrate optical phenomena.

350: Introduction to Lasers. 0-3-3. Preq., six hours of physics. Introduction to modern laser technology. A semi-quantitative approach presents all known types of lasers. Applications such as measurements,
instrumentation, communications, biological, medical, and health hazards are concluding topics.

406: Electricity and Magnetism. 0-3-3. Preq., MATH 245, PHYS 202. A study of the fundamental theories of electricity and magnetism. An application of basic principles is stressed.


408: Electricity and Magnetism Laboratory. 4 1/2-0-1. Experiments in circuitry and in classical electricity and magnetism.

409: Electricity and Magnetism Laboratory. 4 1/2-0-1. Preq., PHYS 408. A continuation of PHYS 408.

415: Introduction to Lasers. 0-3-3. Preq., PHYS 304, 417. Introduction to modern laser technology. Topics included are spectra of simple systems, lifetimes and energy levels, atomic, molecular and solid state lasers, and laser applications.


418: Modern Physics Laboratory. 4 1/2-0-1. Laboratory exercises involving the electron and the nucleus.

419: Modern Physics Laboratory. 4 1/2-0-1. Preq., PHYS 418. A continuation of PHYS 418.

420: Optics Laboratory II. 4 1/2-0-1. Experiments in optics to demonstrate advanced optical phenomena.


423: Physical Mechanics. 0-3-3. Preq., PHYS 422. A continuation of PHYS 422. (G)

424: Quantum Mechanics. 0-3-3. Preq., PHYS 423 or equivalent, PHYS 416, and MATH 245. An extension of mechanics into the macroscopic world. The statistical nature of physical law is developed to augment the classical Newtonian picture of the macroscopic world.

430: Introduction to Medical Physics. 0-3-3. Preq., PHYS 209-210 or 201-202. A basic course in Physics of radiology, designed for students interested in therapeutic and diagnostic uses of ionizing radiation. (G)

435: Undergraduate Physics Research. 1-3 hours credit (6). Preq., consent of instructor. Introduction to methods of research.

440: Fourier Optics. 0-3-3. Preq., PHYS 406, 407, or ELEN 411. An introduction to the theory of Fourier Optics including optical data processing and holography. (G)


462: Modern Physics for Teachers. 0-3-3. Preq., 8 hours of Physics or permission of instructor. A survey of modern physics as used by the high school teacher of physics. Emphasis is placed on experimental techniques.

463: Modern Physics for Teachers. 0-3-3. Preq., 8 hours of Physics or permission of instructor. Hands-on experience for teachers developing a physics science program that emphasizes the observational side of Physics.

465: Physics of Sound. 0-3-3. Preq., PHYS 205. The physical and psychophysical processes associated with sound are studied so that the basic mechanisms of hearing, speech and music can be better understood.

470: Seminar. 1-6 hours credit. Preq., Permission of instructor. An opportunity is given for students to present current topics and actively participate in discussions concerning new developments in physics.

480: Modern Astrophysics. 0-3-3. Preq., PHYS 417. Astrophysics is discussed in light of the tremendous amount of data accumulated from areas such as high energy experimental physics and elementary particle theory.

503: Topics in Physics. 1-3 hours credit (6). Independent study. Topics arranged to meet the needs of the student.

510: Mathematical Methods in Physics. 0-3-3. An advanced treatment of the approaches used to formulate solutions to physical problems, such as boundary value problems, variational methods and approximate solutions.


522: Quantum Mechanics. 0-3-3. An outline of the principles of wave mechanics and quantum mechanics, followed by their application to problems in atomic and nuclear theory.


524: Quantum Theory of Fields. 0-3-3. Preq., PHYS 523. An advanced course on the quantum structure of field theories. Functional techniques are used to discuss the quantum theory of electroweak and strong interactions.


532: Theories of Physics. 0-3-3. A continuation of PHYS 531.


540: Computational Methods in Physics Modeling and Simulation I. 0-3-3. Computational methods for implementing modeling and simulation of physical systems.


549: Physics Research & Reporting. 0-3-3 (6). Preq., 12 semester hours of graduate work. Experimental or computational study of a problem in physics. A survey of the relevant literature and a formal written report are required. This course fulfills the research and reporting requirement for a master's degree non-thesis option. (Pass/Fail)

551: Research and Thesis in Physics. Registration in any quarter may be for three semester hours credit or multiples thereof. Maximum credit allowed is six semester hours.

557: Advanced Topics in Physics. 0-3-3 (9). The topic or topics will be selected by the instructor from the various sub-disciplines of physics.

PLANT SCIENCE (PLSC)

101: Introduction to Plant Science. 0-3-3. Basic concepts of production and management of agronomic and horticultural crops.

211: Forage Crops and Pasture Management. 3-2-3. A study of the growth adaptation and culture of forage crops including types of plants, methods of establishment and improvement, and use of forages.

284: Woody Plants. 3-2-3. Identification of woody landscape plants, including culture, propagation, and use.

300: Horticulture Field Trip. 9-0-1. Field trips to experiment stations, large wholesale and retail nurseries, botanical gardens, and arboretum.

301: Landscape Design. 3-2-3. Elements and principles of design as applied to the home and other small properties.

302: Environmental Design. 3-2-3. Environmental factors affecting the landscape, including discussion of natural systems, remote sensing and large-scale design.


309: Field Crops. 3-2-3. Fundamentals of production, harvesting, storage, marketing, and utilization of grain, fiber, oil, and sugar crops.

310: Soil Science. 0-3-3. Preq., CHEM 100, 101, 102. A general study of soil science, emphasizing the relation of soil properties and processes to plant growth. Cannot be taken for credit if student has credit for ENSC 310.

311: Soil Science Laboratory. 3-0-1. Coreq. or Preq., PLSC 310. Laboratory exercises to elaborate fundamental principles of soil sciences, soil testing, and soil survey reports. Cannot be taken for credit if student has credit for ENSC 311.

312: Turf Management. 3-2-3. Establishment, maintenance, and management of turf grasses for homes, athletic fields, golf courses, playgrounds, parks, highways, airfields, and other uses.

320: Plant Propagation. 3-2-3. Principles and practices of sexual and asexual methods or propagating horticultural plants.

384: Herbaceous Plants. 3-2-3. Identification of annual, perennial, and tropical plants, including cultivation, propagation, and use.

400: Special Problems. 1-3 hours credit. May be repeated for credit. Permission of instructor required. Assignments in floral or landscape design, greenhouse or field production projects or other horticulture practice.

*This course will be accepted for general education transfer credit. A course MAY or MAY NOT be accepted as equivalent to or substitute for a course in a specific discipline or major. Please check the Board of Regents Web site at http://www.regents.state.la.us/ and the school you are transferring to for additional information.
350: International Relations. 0-3-3. Preq., POLS 201. An introductory study of political contacts between modern nation-states, the origin of nationalism and imperialism, and the causes and effects of power politics.

355: American Foreign Policy. 0-3-3. Preq., POLS 201. America's foreign policy doctrines and the factors involved in their formulation, including constitutional framework, presidential and congressional leadership, pressure groups, public opinion, and international environment.

420: Contemporary Problems in Government. 0-3-3. Preq., One of the following courses: POLS 201, or 303, and junior standing.

426: American Constitutional Law I. 0-3-3. Preq., POLS 201. Introduction to judicial institutions and processes as well as a case method study of the constitutional issues of judicial review, federalism, government economic regulation, and others.

427: American Constitutional Law II. 0-3-3. Preq., POLS 201. A continuation of the case method study of constitutional law, with emphasis on political and civil rights (speech, press, assembly, religion, race, criminal procedure, etc.).

460: Politics of Developing Nations. 0-3-3. Preq., POLS 201. An analysis of the relationship of politics to rapid economic and social change in developing nations and evaluation of policies intended to promote development.

465: Asian Politics. 0-3-3. Preq., POLS 201. A survey of interrelationships among Asian nations, their relationships with occidental powers, their international roles, and politics of the region as a whole.

**PROFESSIONAL AVIATION (PR AV)**


111: Private Pilot Flight II. 4-0-1. Preq., PRAV 102 or concurrent enrollment. Provides student with approximately 24 hours of dual/solo flight instruction. Designed to meet FAA flight requirements for the Private Pilot Certificate. Special fee.


208: Introduction to Computers. 1-2-2. Introduction to computers to acquire computer literacy. Study of hardware, software, systems, and application in aviation.


239: Aviation Weather. 0-3-3. Preq., PRAV 102. Weather systems, weather reporting, airborne weather radar, weather safety, and severe weather avoidance. Designed to meet weather knowledge requirements for instrument, commercial, and CFI ratings.

240: Instrument Pilot Ground I. 0-3-3. Preq., PRAV 102 and 111 or concurrent enrollment. Attitude instrument flying, instrumentation, navigation systems for general aviation and air carriers. Designed to meet the FAA ground training requirements for the Instrument rating.


243: Instrument Pilot Flight II. 3-0-1. Preq., PRAV 242. Provides the student with approximately 60 hours of dual instrument flight instruction necessary to meet the FAA requirements for the Instrument rating. Special Fee.

303: Aerodynamics. 0-3-3. A study of advanced aircraft design, aerodynamics, and performance.

This course will be accepted for general education transfer credit. A course MAY or MAY NOT be accepted as equivalent to or substitute for a course in a specific discipline or major. Please check the Board of Regents Web site at http://www.regents.state.la.us/ and the school you are transferring to for additional information.
305: Jet Propulsion Systems. 0-3-3. Preq., PRAV 200. Theory of jet propulsion to include turbojet, turboprop, and turboshaft engines.
315: Airport Planning & Management. 0-3-3. Provides the student with introductory exposure to the field and scope of airport planning and management.
316: Human Factors in Aviation. 0-3-3. For recognition of the comprehensive role of human factors in enhancing aviation safety.
320: Corporate Aviation. 0-3-3. Value/Behavior analysis of the corporate aviation decision. Topics include aircraft selection, flight department administration and operations, aircraft maintenance, FAA regulatory requirements, and future considerations.
331: Air Carrier Systems. 0-3-3. Study of air carrier operations to include flight planning, large airline systems, and performance systems. A capstone course designed to prepare students for a career with a commercial carrier.
332: Air Carrier Operations. 0-3-3. Study of required pilot operations, dispatcher procedures, and FAA certification requirements.
342: Commercial Pilot Flight I. 6-0-1. Preq., PRAV 341 or Private Instrument Certificate. Provides students with approximately 21 hours of flight instruction. Designed to meet the flight requirements for the FAA Commercial Pilot Certificate.
343: Commercial Pilot Flight II. 6-0-1. Preq., PRAV 342. Provides students with approximately 23 hours of flight instruction. Designed to meet the FAA flight requirements for the Commercial Pilot Certificate. Special Fee.
344: Commercial Pilot Flight III. 6-0-1. Preq., PRAV 343. Provides students with approximately 22 hours of flight instruction. Designed to meet the FAA flight requirements for the Commercial Pilot Certificate. Special Fee.
407: The National Airspace System. 0-3-3. A survey course designed to instruct the student on the National Airspace Systems to include Air Traffic Control issues and procedures.
410: Multi-Engine Pilot Flight. 3-0-1. Preq., PRAP 400 or concurrent enrollment. Provides students with flight instruction necessary for FAA Multi-Engine rating. Special fee.
411: Instructor Pilot Flight. 3-0-1 (3). Preq., PRAV 414 or concurrent enrollment and a Commercial Instrument Pilot Certificate. Provides students with flight instruction necessary to meet the requirements for an FAA Flight Instructor Certificate (CFI). Special fee.
415: Air Transport Pilot Flight. 3-0-1 (3). Preq., approval of Department Head. Provides the student with flight instruction necessary to meet the requirements for FAA Airline Transport certificates and ratings. Special fee.
419: Supervised Practice Flight/Ground Instruction. 3-0-1 (4). Preq., completion of PRAV 411 and 414. Directed observation and instructional critique of the student's performance in developing lesson plans and preparing practical flight and ground instruction.
440: Airline Economics and Management. 0-3-3. An advanced study of airline operation, fleet acquisition, management techniques, economic considerations, public benefits applications.
490: The Government Role in Aviation. 0-3-3. Preq., Senior standing. Historic, current and future governmental control. A study of congressional action, the NAS, the FAA, ICAO, and state and local aviation laws.
491: Aviation Safety. 0-3-3. Historical development of aviation safety, accident/incident analysis and reporting, introduction to accident investigation, human factors, accident prevention and development of aviation safety programs.
496: Internship in Aviation. 3-12 hours credit. Preq., Department Head's approval. Internship in area(s) of specialization. Supervised work in government or industry to gain experience in aviation fields. Minimum 90 clock hours; maximum 360 clock hours.
498: Independent Study. 0-3-3 (6). Preq., Department Head's approval. Directed study of air transportation as part of a foreign and domestic, multi-model transportation system. May be repeated once for credit.

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<th>PSYCHOLOGY (PSYC)</th>
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<tr>
<td>102: General Psychology. 0-3-3. A survey of fundamental processes and concepts of human behavior. Statewide Transfer Agreement Course*.</td>
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<tr>
<td>204: Educational Psychology. 0-3-3. Education Majors only. A survey course designed to meet the needs of prospective teachers by bringing an application of psychological principles to the instructional setting.</td>
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<td>205: Child Psychology. 0-3-3. Education Majors only. A study of the physical and mental growth of the child, the social, emotional, motor development, interests, and imaginative activities.</td>
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<td>206: Adolescent Psychology. 0-3-3. Education Majors only. A study of the physical and mental growth of youth during the period of adolescence and the transition from childhood to adulthood.</td>
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<td>207: Learning and Development. 1-3-3. An in-depth study of human development with emphasis on contemporary research relating to human learning and the application of psychological principles.</td>
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<td>300: Elementary Statistical Methods in the Social Sciences. 0-3-3. A course designed to provide an orientation to statistical concepts used in the behavioral science field.</td>
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<tr>
<td>301: Fields of Psychology. 0-3-3. A study of the history of major fields and trends in psychology.</td>
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<td>302: Psychological Physiology. 0-3-3. Preq., BISC 225 (or concurrent enrollment), PSYC 202. An intensive study of the physiology of the nervous system, and its relation to behavior.</td>
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<td>308: Human Growth and Development. 0-3-3. A survey of human development from conception to old age and death.</td>
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<td>320: Learning and Cognition. 0-3-3. A survey of the current theories of learning and cognition.</td>
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<td>400: Behavior Modification. 0-3-3. Applied analysis to individual behaviors using concepts, and principles from experimental analysis of behavior. (G)</td>
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<td>404: Seminar In Psychology. 0-3-3-9 (G). An intensive survey in selected current topics in the field of psychology. (G) (Graduate students should contact instructor for more specific criteria.)</td>
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<td>411: Crisis Intervention. 0-3-3. Preq., 6 hours in PSYC and COUN 400 or approval of department head. Overview of theories, strategies, and service delivery systems in crisis intervention. (G)</td>
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**414: Dynamics of Adjustment.** 0-3-3. A comprehensive study of the problems of self-adjustment and self-management and the development of a well-integrated personality. (G)


**418: Abnormal Psychology.** 0-3-3. Preq., PSYC 310 and 312. A study of the nature and development of abnormal behavior from a psychological viewpoint. (G)

**430: Evolutionary Psychology.** 0-3-3. Preq., PSYC 202. An introduction to the field of evolutionary psychology.

**450: Introduction to Clinical Psychology.** 0-3-3. Preq., consent of instructor. Introduction to clinical psychology as a science and profession. Lectures, discussions, demonstrations, and field observations are provided for an overview of clinical psychology.

**455: Environmental Psychology.** 0-3-3. Preq., PSYC 102. A survey of concepts about individual's interaction with the physical environment. Emphasis is placed upon designing physical surroundings to serve social and personal needs.

**459: Research Methods in Psychology.** 0-3-3. Preq., PSYC 300. An examination of the practical problems of designing, conducting, and interpreting research and of the structure and organization of research writing.

**460: Field Research in Psychology.** 1 - 3 hours credit (9). Preq., PSYC 459. Consent of the instructor. Supervised practice in methods of field research as a basic tool of psychology. Each student develops and executes a field research project. May be repeated for a maximum of 9 hours credit.

**461: Data Analysis and Interpretation.** 1-3 hours credit (3). Preq., PSYC 300 or equivalent. A course designed to provide the skills necessary to use currently existing computer software to analyze data encountered in the social sciences.

**462: Undergraduate Thesis.** 9-0-0 (9). Preq., PSYC 407, Department Head and instructor approval. An original research project (conceptualization, data collection, analysis, and presentation) completed under faculty supervision and offered to students with stellar academic records. By application only. May be repeated for up to 9 semester hours credit.

**465: Industrial Psychology.** 0-3-3. The application of psychological findings and concepts to the industrial environment. (G)

**469: Psychology of Sexual Behavior.** 0-3-3. Preq., PSYC 102 and junior standing. Survey of both normal and abnormal sexual behavior and selected techniques employed in sex therapy and counseling. (G)

**474: Psychology of Adult Learning and Development.** 0-3-3. Provides understanding of cognitive and psychosocial development in young, middle, and later adulthood. Emphasis is on aging process and factors, which affect adult learning.

**475: Death, Dying and Grievance Process.** 0-3-3. Exploration of one's personal values toward death and the grieving process, funeral customs and practices, counseling the terminally ill, and varied aspects of death. Graduate students should contact instructor for more specific criteria. (G)

**480: Psychology of Sex Roles.** 0-3-3. Overview of psychology of sex roles including history, theory, methodology, sex differences, and implications for development, socialization, abnormal behavior, counseling and gender. (G)

**484: Introduction to Human Relations.** 0-3-3. An introduction to human relations factors in various work settings.

**485: Industrial Behavioral Analysis.** 0-3-3. Application to behavior change techniques in work settings. A study of how to effectively manage others' as well as one's own work habits.

**486: Introduction to Decision Making.** 0-3-3. An introduction to decision making models and methods.

**487: Human Relations Communication.** 0-3-3. A study of how communications influences human relation in different contexts.

**490: Social and Psychological Aspects of Blindness.** 0-3-3. Preq., enrollment in Educational Psychology Visual Impairments program or permission of instructor. Psychological and environmental aspects of blindness. Current and historical overview of practices & trends in the rehabilitation and education of individuals with visual impairments. (G)

**494: Special Topics.** 1-4 hours credit (9). Preq., 21 hours in psychology. Selected topics in psychology. May be repeated for credit up to a total of 9 semester hours with a change in topic.

**499: Health Psychology.** 0-3-3. Preq., PSYC 102. A survey of the systematic application of psychology to the relevant areas of health, disease and the health care system.

**502: Cognitive Psychology.** 0-3-3. Preq. enrollment in graduate program in psychology, counseling, or permission of instructor. Contemporary approaches to cognitive psychology; a broad survey of social cognition including attention, cognitive organization, mental reasoning, information processing, decision making, and human memory.

**505: Theories in Marriage and Family Therapy.** 0-3-3. An overview of marital development and change; principles of family dynamics and functioning.

**506: Strategies for Marriage and Family Therapy.** 0-3-3. Techniques for aiding married couples and families in distress; parenting strategies.

**507: Learning and Development.** 0-3-3. Provides an understanding of forces, which propel learning and development and enables teachers to help students successfully meet the unique demands of school.

**508: Psychological Aspects of Disability.** 0-3-3. An examination of attitudes, adjustment problems, sexuality, family and program implications for disabled populations.

**509: Psychology of Aging.** 0-3-3. An analysis of changes that occur in middle and late adulthood from psychological, cognitive, and social viewpoints.


**512: Advanced Abnormal Psychology.** 0-3-3. Preq., Enrollment in Counseling MA Program or permission of instructor. Comprehensive review of the major characteristics, etiology, and implications for treatment of the major psychological disorders. Clinical and research findings are emphasized.

**513: Organizational Psychology.** 0-3-3. A survey of current research and theories in the organizational psychology. Critical-thinking skills are used to evaluate empirical research and current theories in the field.

**516: Personnel Psychology.** 0-3-3 Topics covered include the professional and legal requirements for personnel selection instruments; design and evaluation of personnel selection systems, designing and conducting job analyses and selection interviews.

**517: Training and Development.** 0-3-3. Provides the skills necessary to analyze, design, and evaluate training in organizations. Topics include determining training needs, task analysis, learning objectives, training methodologies, and evaluation.

**518: Behavioral Analysis in Industry.** 0-3-3. Application of behavioral analysis in industry. A study of concepts, principles, and skills essential for designing and implementing a behavior change plan in organizational settings.

**519: Advanced Theories in Counseling.** 0-3-3. Preq., COUN 508. Further analysis of theories of counseling as is evidenced by a review of current counseling literature.

**522: Communication in Human Relations.** 0-3-3. A review of the concepts, principles, and skills essential for effective communication in working with people.

**523: Leadership and Decision-Making.** 0-3-3. Examination of the various skills, behaviors, and attitudes required for effective leadership. Includes practices, decision-making, communication and ethical issues related to leadership.

**524: Internship in Industrial/Organizational Psychology.** 20-1-3 (6). Supervised experiences in an applied setting involving application of skills and field work in Industrial/Organizational Psychology.

**533: Community Psychology/Rural Mental Health.** 0-3-3. A study of community systems, intervention techniques, consultation methods, history and current status of the community mental health movement with particular emphasis on rural mental health research. Addresses psychological practice issues in the rural environment.

**534: Psychology of Creativity.** 0-3-3. Preq., enrollment in Educational Psychology or Counseling Psychology graduate programs or permission of instructor. Reviews theories, defining characteristics, and empirical research literature on the creative process. Identifies relationships of creativity to ability/personality variables, and measurement/research issues.


**542: Statistical Methods in Behavioral Sciences.** 0-3-3. A study of the statistical methods used to study problems in Behavioral Sciences.

**543: Psychometrics.** 0-4-3. Preq., Graduate enrollment in I/O Psychology, Educational Psychology, or Counseling Psychology, or permission of instructor. Test and measurement theory, including classical, true scores.
and item response theory models. Covers reliability, validity, scaling, norms, and score transforming issues.

544: Qualitative Research Methods. 0-3-3. Concepts and applications of qualitative research methods including techniques for data collection and analysis explored.

580: Developmental Psychology of Blindness. 0-3-3. This course emphasizes knowledge of physical, social, and emotional development of the blind including acquisition of motor, language, and cognitive skills, birth through adulthood.

589: Special Topics in Psychology. 1-4 hours credit, may be repeated. Preq., enrollment in relevant graduate program in Psychology or permission of instructor. Current or specialized topics in psychology.

599: Master's Thesis. 0-3-3 (6 hours minimum). Original research conducted under the supervision of a departmental faculty member in the student's program area. Student must be enrolled whenever university facilities or faculty are used. (Pass/Fail).

600: Seminar: Issues in Academic Psychology & Teaching. 0-1-1 (9). May be repeated. Required of resident Counseling Psychology PhD students each quarter. Study of professional issues and research applications in counseling psychology. Non-degree credit.

601: Historical Foundations of Modern Psychology. 0-3-3. Historical development of psychology from its philosophical beginnings to the present.

602: Physiological Psychology. 0-3-3. A study of the neuroanatomical and neurochemical bases of behavior; contributions of physiological processes to fundamental behavioral processes.

603: Sensation and Perception. 0-3-3. Sensory and perceptual phenomena that influence motivation, cognition, and learning.

604: Theories of Social Psychology. 0-3-3. Theory and research concerning interpersonal perceptions, attitude formation and change, social motivation, and interactive processes.

605: Child Psychopathology. 0-3-3. Examines diagnosis and treatment of child and adolescent disorders from empirical, theoretical, and practical viewpoints.

606: Comparative Psychology. 0-3-3. A study of the phylogenetic bases of behavior. Interspecies behavioral similarities and differences are examined as they relate to human behavior.

607: Fundamentals of Psychopharmacology. 0-4-3. Preq., enrollment in Ph.D. program in Counseling Psychology or permission of the instructor. Biochemical substrates of emotion, affect, and behavior are reviewed. Psychopharmacological models, including applications of clinical practice strategies are emphasized along with a review of the treatment research literature.

608: Developmental Psychology. 0-3-3. An advanced theory and research based study of the biological, psychological, social, and cultural processes in human growth and development. Counseling Psychology PhD students only.

609: Personality Theory. 0-3-3. Comparative approach to personality theory from the perspectives of philosophical issues, definitional problems, and current research issues.

610: Professional Issues and Ethics. 0-3-3. An investigation of legal and ethical issues relevant to the practice of counseling psychology.

611: Advanced Group Counseling and Psychotherapy. 2-3-3. Group counseling theories with emphasis on advanced techniques and application, ethical responsibilities, and current trends with group research methodology. Practicum experience required.

612: Advanced Learning Theory. 0-3-3. Psychological aspects of learning, including theoretical and practical applications.

613: Career Assessment and Counseling. 4-3-4. Preq., enrollment in Counseling Psychology Ph.D. program, PSYC 531, 616, and 617. Assessment and counseling of career clients using interest, ability, and personality tests.

614: Professional Seminar in Counseling Psychology. 0-3-3. Preq., Counseling Psychology PhD students only. A survey of trends and issues pertinent to the professional activities of counseling psychologists.

616: Intellectual Assessment. 0-3-3. Preq., Enrollment in Counseling Psychology PhD program and approval of instructor. This course focuses on psychological assessment and interpretation of tests of ability, achievement, and higher cognitive functions. Differential diagnosis and formal report writing are emphasized.

617: Personality Assessment: Objective and Projective. 0-3-3. Preq., approval of instructor. This course focuses on psychological assessment using tests of personality, DSM-IV psychodiagnosis, and DSM-IV Axis II disorders. Psychological report writing and interpretation are emphasized.

618: Motivation. 0-3-3. The study of levels of motivation from ethological to cognitive-social motives; relevant motivational theories are used to explain human behaviors.

619: Psychopathology. 0-3-3. Comprehensive review of the etiology of psychological disorders and their diagnosis; clinical research findings are emphasized.

620: Sex Roles and Behavior. 0-3-3. An investigation of the effect of gender upon cognition, affect, and behavior.

621: Career Development Theories. 0-3-3. Preq., Counseling Psychology PhD students only. Intensive review of theories and research literature on career development across the life span. Application of theories to current counseling and psychotherapy at an advanced level.

622: Theories of Counseling and Psychotherapy. 0-3-3. Preq., Counseling Psychology PhD students only. A comparative approach to theories of counseling and psychotherapy at an advanced level.

623: Integrative Assessment. 0-3-3. Preq., PSYC 616 & 617, Counseling Psychology PhD students only. Emphasis on selection, administration, and combination of results from various assessment instruments into an integrated whole. Integrative report writing is emphasized.

624: Counseling Psychology Internship. 1-3 hours credit. Minimum credit allowed is 12 hours. Preq., completion of departmental requirements and approval of Counseling/Psychology Program Director and Department Head. One calendar year (or two half-years) of supervised full-time, counseling psychology experience in a Department-approved (typically, APA-approved) internship facility.

625: Research Seminar. 0-3-3. Preq., Counseling Psychology PhD students only, or signature of instructor. Integration of research design, methodology, and statistics in psychological research.

627: Advanced Assessment Topics. 0-3-3 (9). Preq., Counseling Psychology PhD students only. A rotating topics course providing advanced training in selected assessment instruments and processes. May be repeated twice.

628: Special Topics in Psychology. 1-3 hours credit. 9. May be repeated. Counseling Psychology PhD students only or permission of instructor. Intensive study of a selected topic in psychology.

629: Advanced Seminar in Counseling Theories & Techniques. 0-3-3 (9). May be repeated. Preq., Counseling Psychology PhD students only. A rotating topics course providing advanced study of selected counseling theories and therapeutic techniques.

630: Supervision in Counseling & Psychotherapy. 0-3-3. Preq., Counseling Psychology PhD students only. Overview of supervision/consultation models, focusing on case conceptualization, including development of case conceptualization models, and intervention strategies.

631: Multiculturalism and Diversity. 0-3-3. Preq., Counseling Psychology PhD students only. In-depth examination of issues related to multiculturalism and diversity, with a focus on implications for professional practice at the doctoral level.

632: Psychotherapy Research. 0-3-3. Preq., Counseling Psychology PhD students only. Investigation of research on change elements and outcome research in psychotherapy, including factors impacting change processes and cost-benefit issues raised by managed mental health care.

641: Advanced Experimental Design and Analysis. 0-3-3. Theory and technique for maximizing the validity of psychological experiments and analyzing results via ANOVA, factorial ANOVA, ANCOVA, repeated measures ANOVA, and higher-order analyses.

642: Advanced Statistical Methods. 0-3-3. Techniques such as multiple regression, canonical correlation, discriminant analysis, MANOVA, and factor analyses in behavioral research are present.

643: Multivariate Statistics. 0-4-3. Advanced multivariate topics including multiple regressions, factor analyses, MANOVA, multi-dimensional scaling, structural equation modeling, path analysis, discriminant analysis, and meta-analyses.

650: Practicum in Counseling Psychology. 3 hours credit (9). (Pass/Fail). May be repeated. Supervised counseling experience within a practicum setting.

651: Advanced Practicum in Counseling Psychology. 1-3 hours credit (9). (Pass/Fail). Preq., PSYC 650 (9 hours total). May be repeated. Progressive development of advanced clinical skills within an approved practicum setting. Counseling Psychology PhD students only.

652: Field Placement in Practicum Setting. 1-3 hours (18). (Pass/Fail). May be repeated. Preq., PSYC 650 & 651 (three quarters each). Counseling Psychology PhD students only. Advanced practicum in a field setting.

660: Dissertation Research. 1-3 hours credit. Proposal, research, and defense of original doctoral-level research study. May be repeated each quarter for 3 credit hours per quarter. Minimum credit allowed is 6 hours. Enrollment is minimally required during the term in which the
dissertation proposal is defended and the term in which the dissertation research is defended.

## QUANTITATIVE ANALYSIS (QA)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>General Education Transfer Credit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>233</td>
<td>Basic Business Statistics</td>
<td>0-3-3</td>
<td>Preq., MATH 125</td>
<td>Descriptive statistics, probability, sampling distributions, confidence intervals, inference, and regression and correlation. Emphasis is given to business applications.</td>
<td></td>
</tr>
<tr>
<td>390</td>
<td>Quantitative Methods for Business and Economics</td>
<td>0-3-3</td>
<td>Preq., junior standing</td>
<td>Presentation and review of pertinent quantitative topics to furnish the necessary background for the graduate quantitative methods field of study.</td>
<td></td>
</tr>
<tr>
<td>430</td>
<td>Management Science Methods</td>
<td>0-3-3</td>
<td>Preq., MGMT 333</td>
<td>Linear programming, sensitivity analysis, the transportation problem, inventory analysis, and PERT.</td>
<td></td>
</tr>
<tr>
<td>432</td>
<td>Intermediate Business Statistics</td>
<td>0-3-3</td>
<td>Preq., QA 233</td>
<td>Applied statistical methods utilizing the computerized Statistical Analysis System; multiple regression and correlation, Chi-Square, analysis of variance, and non-parametric methods. (G)</td>
<td></td>
</tr>
<tr>
<td>525</td>
<td>Quantitative Approaches for Decision-Making</td>
<td>0-3-3</td>
<td>Preq., QA 233 and QA 390 or consent of instructor.</td>
<td>Survey of the quantitative and statistical methods for managerial decision making.</td>
<td></td>
</tr>
<tr>
<td>540</td>
<td>Advanced Management Science Methods</td>
<td>0-3-3</td>
<td>Preq., QA 430 or consent of instructor.</td>
<td>Quantitative decision-making including linear, integer and parametric programming; project planning and scheduling with CPM/PERT and MAP as applied to business management.</td>
<td></td>
</tr>
<tr>
<td>550</td>
<td>Directed Study in Quantitative Analysis</td>
<td>1-3</td>
<td>Hours and credits to be arranged. Consent of instructor and approval of department head required. Special problem or specific area of quantitative analysis.</td>
<td></td>
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</tr>
<tr>
<td>605</td>
<td>Methods of Business Research</td>
<td>0-3-3</td>
<td>Preq., QA 522 or consent of instructor.</td>
<td>Formulation of statistical hypotheses germane to business research. Determination of the experimental conditions and extraneous conditions. Methods of measurement and the statistical analysis required.</td>
<td></td>
</tr>
<tr>
<td>610</td>
<td>Multivariate Statistics: Business Applications</td>
<td>0-3-3</td>
<td>Preq., QA 522</td>
<td>Regression extensions, canonical correlation, multivariate ANOVA, discriminant, business applications, principal components using SAS, SPSS, and BMD, factor and cluster analysis.</td>
<td></td>
</tr>
<tr>
<td>620</td>
<td>Seminar in Management Science</td>
<td>0-3-3</td>
<td>Study of current topics in the discipline of Management Science. In-depth analysis of a specialized field along with an investigation of the literature.</td>
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<tr>
<td>622</td>
<td>Advanced Business Statistics</td>
<td>0-3-3</td>
<td>Preq., QA 432</td>
<td>Requires Doctoral standing. May require additional class meetings. Applied statistical methods utilizing the computerized Statistical Analysis System (SAS): multiple regression and correlation, biased regression, analysis of variance, multiple comparisons, and non-parametric methods. Credit will not be given for QA 640 if credit is given for QA 540.</td>
<td></td>
</tr>
<tr>
<td>640</td>
<td>Advanced Management Science Methods</td>
<td>0-3-3</td>
<td>Preq., QA 430 or consent of instructor.</td>
<td>Requires Doctoral standing. May require additional class meetings. Quantitative decision-making including linear, integer and parametric programming; project planning and scheduling with CPM/PERT and MAP as applied to business management. Credit will not be given for QA 640 if credit is given for QA 540.</td>
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</tbody>
</table>

## RUSSIAN (RUSS)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>531</td>
<td>Foundations of Reading</td>
<td>0-3-3</td>
<td></td>
<td>Clinical experience in diagnosing reading problems of school children.</td>
<td></td>
</tr>
<tr>
<td>532</td>
<td>Reading Curriculum Materials and Development</td>
<td>0-3-3</td>
<td></td>
<td>Analysis of reading curriculum and development of instructional materials for various levels of reading ability.</td>
<td></td>
</tr>
<tr>
<td>535</td>
<td>Clinical Reading I</td>
<td>10-2-3</td>
<td></td>
<td>Clinical experience in diagnosing reading problems of school children.</td>
<td></td>
</tr>
<tr>
<td>536</td>
<td>Clinical Reading II</td>
<td>10-2-3</td>
<td></td>
<td>Practicum in remedial reading for school children.</td>
<td></td>
</tr>
<tr>
<td>538</td>
<td>Supervision and Curriculum Development in Reading</td>
<td>0-3-3</td>
<td></td>
<td>Construction of an innovative curriculum in reading, plans for implementation of new curriculum, and supervision of the reading program.</td>
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</tr>
<tr>
<td>544</td>
<td>Reading in the Content Areas</td>
<td>0-3-3</td>
<td></td>
<td>Provides teaching methods and research findings related to the reading process as it applies to the various content areas of the curriculum.</td>
<td></td>
</tr>
</tbody>
</table>

## SOCIAL SCIENCE (SOSC)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>General Education Transfer Credit</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>Principles and Elements of Sociology</td>
<td>0-3-3</td>
<td></td>
<td>An introduction to the structures and processes of group behavior. Statewide Transfer Agreement Course*.</td>
<td></td>
</tr>
<tr>
<td>202</td>
<td>Social Problems</td>
<td>0-3-3</td>
<td></td>
<td>Selected social problems in contemporary American society. Statewide Transfer Agreement Course*.</td>
<td></td>
</tr>
<tr>
<td>205</td>
<td>Introduction to Anthropology</td>
<td>0-3-3</td>
<td></td>
<td>Introduction to the origin and development of man; the nature and development of culture. Statewide Transfer Agreement Course*.</td>
<td></td>
</tr>
<tr>
<td>210</td>
<td>Introduction to Criminal Justice</td>
<td>0-3-3</td>
<td></td>
<td>A survey of the criminal justice system, its history and organization at the local, state and federal levels.</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>The Social Welfare System in the United States</td>
<td>0-3-3</td>
<td></td>
<td>A study of the social welfare system and the effort to prevent or resolve social problems encountered by individuals, groups, families, and communities.</td>
<td></td>
</tr>
</tbody>
</table>

*This course will be accepted for general education transfer credit. A course MAY or MAY NOT be accepted as equivalent to or substitute for a course in a specific discipline or major. Please check the Board of Regents Web site at [http://www.regents.state.la.us/](http://www.regents.state.la.us/) and the school you are transferring to for additional information.*