

- 201: Intermediate Russian I.** 0-3-3. Preq., RUSS 102. Study of the more complex grammatical structures of Russian; emphasis on developing communicative competence and basic skills in reading and writing.
- 202: Intermediate Russian II.** 0-3-3. Preq., RUSS 201. Study of the more complex grammatical structures of Russian; emphasis on developing communicative competence and basic skills in reading and writing.
- 203: Intermediate Russian III.** 0-3-3. Preq., RUSS 202. Study of the more complex grammatical structures of Russian; emphasis on developing communicative competence and basic skills in reading and writing.
- 301: Russian Conversation.** 0-3-3. Preq., RUSS 203. Emphasis on developing conversational fluency in Russian in a variety of academic and social contexts.
- 302: Russian Composition.** 0-3-3. Preq., RUSS 203. Development of skills in writing Russian in a variety of academic and social contexts.
- 303: Russian Phonetics.** 0-3-3. Preq., RUSS 203. Intensive study of the Russian phonological system; exercises for refining skills in pronunciation, intonation, and stress patterns.
- 310: Russian Short Prose Fiction.** 0-3-3. Preq., RUSS 301 or permission of department head. In Russian. Russian short story, skazka, rasskaz, povest' and the novella. Includes works by Pushkin, Gogol, Lermontov, Chekhov, Babel, Rasputin, Tolstaya, Makanin, and others.
- 425: Russian Literature in English Translation.** 0-3-3 (6). Representative works of Russian literature from the 19th and 20th centuries; repeatable for credit with different course content. May not be counted towards a minor in Russian. Also listed as ENGL 425. (G)

SOCIAL SCIENCE (SOSC)

- 470: Senior Reading Program.** 3 hours credit (9). A reading/research course optional for all majors in geography, political science, and sociology.

SOCIOLOGY (SOC)

- 201: Principles and Elements of Sociology.** 0-3-3. An introduction to the structures and processes of group behavior.
- 202: Social Problems.** 0-3-3. Selected social problems in contemporary American society.
- 205: Introduction to Anthropology.** 0-3-3. Introduction to the origin and development of man; the nature and development of culture.
- 210: Introduction to Criminal Justice.** 0-3-3. A survey of the criminal justice system, its history and organization at the local, state and federal levels.
- 230: The Social Welfare System in the United States.** 0-3-3. A study of the social welfare system and the effort to prevent or resolve social problems encountered by individuals, groups, families, and communities.
- 304: Social Psychology.** 0-3-3. Preq., PSYC 102 or SOC 201. A study of the nature of social behavior; a psychological analysis of society and social institutions.
- 306: Juvenile Delinquency.** 0-3-3. Preq., PSYC 102 or SOC 201 or 202. The nature, causes, extent, and methods of treatment of juvenile delinquency.
- 308: The Family.** 0-3-3. A study of the family as a social institution with comparisons of family life in various societies.
- 312: Race and Ethnic Relations.** 0-3-3. Preq., SOC 201. Factors & conditions which underlie disagreement about fundamental values; their relation to social maladjustment; evaluation of theories; group approaches to reintegration.
- 313: The Sociology of Deviance.** 0-3-3. Factors and conditions which underlie disagreement about fundamental values; their relation to social maladjustment; evaluation of theories; group approaches to reintegration.
- 314: Criminology.** 0-3-3. Theories of the origins of crime; analysis of specific types of offenders, prevention, control, and treatment.
- 320: Research Methods.** 0-3-3. Preq., Statistics course or consent of instructor. Scientific methods and their application in social analysis; procedures in testing sociological theory; computer and data analysis.
- 330: An Introduction to Social Work.** 0-3-3. An examination of Social Work within the social welfare system. A review of the multiple roles of the social worker in service delivery and practice.
- 340: Urban Sociology.** 0-3-3. Preq., SOC 201. The influence of socio-cultural factors and their consequences for urban America.
- 345: Social Stratification.** 0-3-3. Types and results of social inequality; social class, status and power as determinants of behavior, values and life chances.
- 401: Social Theory.** 0-3-3. Preq., SOC 201, Junior standing or consent of instructor. The development of sociological theory and its relation to research.

- 410: Family Violence.** 0-3-3. A sociological examination of the types, extent, causes, and consequences of violence between family members and intimate partners; policy implication are explored.
- 416: Sociology of Education.** 0-3-3. The education system and the larger society; education as a social structure and process; implications for students, parents, teachers, and administrators.
- 418: Social Control.** 0-3-3. Preq., SOC 201. Informal and formal regulative processes in social behavior, with reference to techniques and processes of social control.
- 420: Treatment of Offenders.** 0-3-3. Preq., SOC 314. A study of principles of treatment of offenders; application of social science principles to treatment of offenders; interviewing, guidance, and counseling of offenders.
- 424: The Sociology of Corrections.** 0-3-3. Trends, issues and problems in the field of corrections.
- 425: Family Therapy.** 0-3-3. Preq., SOC 201 or FCS 210 or SOC 308. A survey of family therapy; the family as a system; theoretical models of modern practice, state laws and policies; code of ethics governing family therapy.
- 435: Sociology of Aging.** 0-3-3. Preq., SOC 201 or consent of instructor. Social and biological problems as a consequence of aging. Current issues, deficiencies and resources available to deal with specific problems.
- 436: Grieving and Loss.** 0-3-3. An analysis of loss, grief and bereavement. An assessment of services, programs, treatments, stress reduction techniques and communication skills.
- 437: Retirement and Community.** 0-3-3. Preq., SOC 201 or consent of instructor. Seminar for advanced students. An examination of retirement and the various environments in which people age.
- 438: Illness & Healing.** 0-3-3. A sociological examination of the illness experience, and social and ethical aspects of treatment.
- 444: Substance Abuse.** 0-3-3. Social, cultural and individual problems associated with alcohol and drug use. Family and other group responses. The nature and treatment of alcoholism and drug addiction.
- 450: Sociology of Religion.** 0-3-3. Seminar for advanced students in social sciences. An examination of religion as a multilevel sociological phenomenon.
- 455: Social Movements and Collective Behavior.** 0-3-3. Preq., SOC 201. Seminar for advanced students in social sciences. Social movements and collective behavior as studied in sociology, such as fads, migrations, mass hysteria, disaster reactions, and riots.

SPANISH (SPAN)

- 101: Elementary Spanish.** 0-3-3. Conversation reading and grammar. Non-native speakers only.
- 102: Elementary Spanish.** 0-3-3. Preq., SPAN 101. Conversation reading and grammar. Non-native speakers only.
- 201: Intermediate Spanish.** 0-3-3. Preq., SPAN 102. Structure, cultural reading, conversation. Non-native speakers only.
- 202: Intermediate Spanish.** 0-3-3. Preq., SPAN 201. Structure, cultural reading, conversation. Non-native speakers only.
- 301: Spanish Conversation and Composition.** 0-3-3. Preq., SPAN 202. Non-native speakers only. Conversation on everyday topics and review of elements of Spanish through structured compositions.
- 302: Spanish Conversation and Composition.** 0-3-3. Preq., SPAN 202. Non-native speakers only. Conversation on everyday topics and review of elements of Spanish through structured compositions.
- 380: Readings in Spanish Literature.** 0-3-3. Preq., SPAN 301 and/or 302 or permission of department head. Required for major in Spanish. A survey of the masterpieces of Spanish literature.
- 381: Readings in Spanish American Literature.** 0-3-3. Preq., SPAN 301, 302 or permission of department head. Required for major in Spanish. Survey of the masterpieces of Spanish American literature.
- 403: The Novel in Spain.** 0-3-3. Preq., SPAN 380, 381 or permission of department head. Study of the novel in Spain from the sixteenth century to the present.
- 405: The Modern Drama of Spain.** 0-3-3. Preq., SPAN 380, 381 or permission of department head. Study of the drama in Spain in the 19th and 20th centuries.
- 407: The Novel of Latin America.** 0-3-3. Preq., SPAN 380, 381 or permission of department head. Study of representative novels of Latin America. Mexico excepted.
- 408: Spanish Civilization.** 0-3-3. Preq., SPAN 380, 381 or permission of department head. Lectures and readings in Spanish history, geography, government, language, music art, etc.

- 425: The Novel in Mexico.** 0-3-3. Preq., SPAN 380, 381 or permission of department head. A study of outstanding novels from 1800 to the present.
- 426: Spanish Literature in English Translation.** 0-3-3 (6). Representative works of Spanish literature from the Middle Ages to the 20th century. Offered in English translation; repeatable for credit with different course content. May not be counted towards a major or minor in Spanish. Also listed as ENGL 426. (G)
- 427: Latin American Literature in English Translation.** 0-3-3 (6). Representative works of 20th century Latin American literature; repeatable for credit with different course content. May not be counted towards a major or minor in Spanish. Also listed as ENGL 427.(G)
- 450: The Spanish Language.** 0-3-3. Preq., 21 hours of Spanish or permission of department head. Advanced grammar. General characteristics of the language, including sources, etymology, dialects.
- 460: Applied Linguistics for Spanish.** 0-3-3. Preq., SPAN 450 or permission of department head. Pertinent theories of psycholinguistics and sociolinguistics. Contrastive study of Spanish and English patterns and structures.
- 480: Commercial Spanish.** 0-3-3. Preq., SPAN 450 or permission of department head. Study of common commercial forms for use in Spanish correspondence and business.

SPECIAL EDUCATION (SPED)

- 300: Introduction to Exceptional Students.** 0-3-3. A survey of the physical, emotional, social, and learning characteristics of exceptional students; educational programs; incidence and prevalence.
- 301: Specific Learning Problems in Students.** 0-3-3. Preq., SPED 300. Learning principles, issues, specific deficits in learning; assessment and remediation of problems in visual and auditory perception, cognitive processes, language; gross and fine motor coordination.
- 302: Characteristics of Exceptional Students.** 0-3-3. Preq., SPED 300. Specific problems in cognitive, language and social skills related to academic and vocational training, special educator's role in management, planning, and resource or community interaction.
- 303: Characteristics of Severely and Profoundly Handicapped Students.** 0-3-3. Preq., SPED 300. An overview of education of student classified as severely and profoundly handicapped, including educationally relevant physical, cognitive and behavioral characteristics.
- 325: Introduction to Mental Retardation.** 0-3-3. Preq., SPED 301. Medical, psychological, social, and educational aspects of mental retardation.
- 335: Information on Childhood Diseases and Crippling Conditions.** 0-3-3. Emphasis on orthopedic conditions and chronic medical health problems with implications for education, psychology, social work, and occupational, physical, and speech therapy.
- 340: Management of Behavior Disorders.** 4-2-3. Preq., SPED 300. Foundations of behavioral science, operant analysis of human behavior, learning principles, behavior modification principles and techniques; educational programs, supervised application of skills and techniques covered.
- 341: Psycho-social Management of Exceptional Students.** 4-2-3. Preq., SPED 300. Non-behavioral teaching interventions emphasizing biophysical, psychodynamic, sociological, and ecological strategies; supervised application of skills and techniques using an instructional model that synthesizes strategies covered.
- 360: Education of the Partially Seeing Child.** 0-2-2. Preq. SPED 301. Learning behavior, curriculum adaptation, educational programs, environmental movement and control, and behavioral characteristics of children with visual impairment.
- 375: Education Procedures and Materials in Special Education.** 4-2-3. Preq., SPED 300 and 302 or permission of instructor. Educational procedures in developing and implementing curricula in the areas of self-help, language, social skills, motor skills, vocational skills, cognitive skills, and functional academics.
- 376: Materials and Methods for Severely and Profoundly Handicapped Students.** 4-2-3. Preq., SPED 303 or permission of instructor. Educational procedures in developing and implementing curricula in the areas of self-help, language, social skills, motor skills, vocational skills, cognitive skills, and functional academics.
- 460: Introduction to the Education of Exceptional Preschool Children.** 2-3-3. An introduction to the nature and needs of preschool handicapped children. Students will review literature, publications, trends, and model programs. (G)
- 461: Teaching Strategies for Exceptional Preschool Children.** 4-2-3. Preq., SPED 300, 460, and FCS 301. Emphasis on specific programs, materials

- and strategies for teaching young preschool children who have serious handicapping conditions. Areas covered include perceptual, motor, and intellectual development. (G)
- 462: Language and Cognitive Development in Exceptional Preschool Children.** 4-2-3. Preq., SPED 461. An emphasis on the identification, assessment and remediation of problems in language and cognitive development of preschool handicapped children.
- 463: Early Identification and Evaluation of Exceptional Children.** 4-2-3. Preq., SPED 460. Early identification and evaluation principles and procedures, parent interviews, norm-and criterion-referenced measure; diagnostic evaluation assessment incorporated into individualized educational planning. (G)
- 464: Parent Involvement and Community Resources for Education for the Exceptional Student.** 0-3-3. Preq., SPED 300 and 460. Parent-teacher duality roles and the dyadic process between student and teacher; material planning and implementation by parents through teacher modeling; community services. (G)
- 465: Interagency Services in Special Education.** 4-2-3. Preq., SPED 300 and 460. Study of related services to the handicapped, team control and contributions, strategies used in integrating overall life-experience planning and implementation. (G)
- 471: Prevocational Skills and Procedures for Exceptional Students.** 4-2-3. Preq., SPED 375 and 475. Competency-based prevocational education incorporated with curriculum design and informal assessment; long-term planning for vocational needs, occupational guidance.
- 477: Advanced Procedures in Educating Severely and Profoundly Handicapped Students.** 4-2-3. Preq., SPED 303 and 376 or permission of instructor. Diagnostic-prescriptive teaching procedures for educating severely and profoundly handicapped students, including criterion-referenced assessment procedures and individualized educational programming. (G)
- 490: Psycho-social and Educational Appraisal of Exceptional Students.** 3-2-3. Preq., EDUC 402 and SPED 300 or consent of instructor. Concepts of measurement applied to exceptional students; normative assumptions; measures of receptive and expressive language; social maturity; and perceptual-motor functions, observations of procedures. (G)
- 495: Psycho-social and Educational Appraisal of Exceptional Students II.** 7-2-3. Preq., SPED 490. Supervised administration of individual diagnostic tests, developmental scales, measure for the handicapped, interpretation and application to individualized educational planning and report writing. (G)
- 500: Curriculum Design for Exceptional Students.** 4-2-3. A examination of issues and strategies required in selecting and developing curriculum for exceptional students. Emphasis on the scope and sequence of curriculum for all areas of exceptional students.
- 501: Contemporary Issues in Special Education.** 0-3-3 (6). Historical and comparative approaches to theoretical issues and research, critical examination of assumptions, sampling, and tactics of research.
- 503: Educationally Disadvantaged.** 0-3-3. Biological, learning, interpersonal, and motivational determinants of behavior, cultural deprivation as a factor in school learning; educational implications.
- 510: The Exceptional Adolescent Student.** 0-3-3. Advanced course designed to acquaint the student with the complex challenges of the exceptional adolescent. Emphasis on remedial efforts, pre-vocational and vocational skills needed by the exceptional adolescent.
- 517: Curriculum for the Gifted/Talented.** 0-3-3. Preq., consent of area coordinator. Curriculum models in gifted/talented education, emphasizing essential principles and skills necessary for designing, implementing, and evaluating educational plans for gifted/talented students.
- 520: Advanced Study: Mental Retardation.** 0-3-3. Preq., EDUC 541 and SPED 501. Advanced study of the biological, social, and psychological factors in retarded behavior.
- 530: Advanced Study: Nonsensory Physically Impaired.** 0-3-3. Preq., EDUC 541 and SPED 501. Advanced study of the biological, social and psychological factors in crippling conditions and special health problems.
- 540: Advanced Study: Behavior Disorders.** 0-3-3. Preq., EDUC 541 and SPED 501. Advanced study of the biological, social, and psychological factors in behavior disorders.
- 560: Administration in Special Education.** 0-3-3. The major administrative and supervision functions necessary for the effective operation of special education programs and the major areas of knowledge necessary to carry out these basic functions.
- 562: Advanced Study: School-Related Language Problems in Special Education.** 0-3-3. Analysis of language deviations and disorders in

classroom situations, understanding of assessment, approaches and models for remediation/enrichment. Intervention and flexibility in curriculum development.

570: Advanced Study: Learning Disabilities. 0-3-3. Advanced study of the biological, social, and psychological factors in learning disabilities.

575: Behavior Technology in Special Education. 3-2-3. Preq., SPED 475. Remediation of severe learning and behavior problems in students through programming and behavior modification; use of automated equipment for direct control of stimuli and contingencies.

SPEECH THEATRE (SPTH)

101: Stagecraft. 4-2-3. Practical experience in scenery construction, painting, stage lighting, and organizational techniques.

201: Introduction to Theatre. 0-3-3. A comprehensive overview of the elements that comprise the theatre; intended as a basic preparation for an understanding of theatre art.

240: Acting. 4-2-3 (9). Basic training in the art of acting with emphasis upon physical and vocal skills as well as fundamentals of relaxation and public performance.

290: Theatre Appreciation. 0-3-3. A study of Theatre and its different forms and how they affect our life and society.

307: Play Production. 3-3-3 (9). Preq., SPTH 201, 240, or 409. The director's introduction to play production: script analysis, research, staging, actor coaching, scenery, lighting, and costuming.

400: Stage Makeup. 3-0-1. Practical experience in the design and application of stage makeup. (G)

402: Advanced Acting. 8-1-3 (9). Preq., SPTH 240 or consent of instructor. A study in the practice of the major period styles of acting from ancient Greece to the present. (G)

403: Stage Lighting. 4-2-3. Preq., SPTH 201 or consent of instructor. Practical and theoretical experience in stage lighting, design, and equipment. (G)

404: Theatre Practicum. 4-0-1 (12). Practical experience in interpretation, acting, directing, or technical theatre.

405: Scene Painting. 3-0-1. Preq., SPTH 101. Practical experience in the art of scene painting, using both historical and modern techniques and solutions. (G)

407: Play Direction. 3-3-3 (9). Preq., SPTH 307. Advanced course in directing methodologies, including the practical experience of directing a publicly performed short play. (G)

408: Technical Direction and Stage Technology. 4-2-3. Preq., SPTH 101. Practical experience in advanced theories of stage technology, shop management, budgeting, cost effective solutions and construction practices. (G)

409: Stage Management. 0-3-3. Preq., SPTH 201. A study of the responsibilities, organization, and methods used in the operations of the stage manager in theatre. (G)

410: Studies in Scene and Costume Design. 0-3-3. Preq., SPTH 201 or consent of instructor. A study of the theories of color, design, rendering, graphic techniques, and perspective as they pertain to scene and costume design for the stage. (G)

414: Sound for the Theatre. 4-2-3. Preq., SPTH 201 or consent of the instructor. Practical and theoretical experience in sound reinforcement, design, and equipment, and their uses in both commercial and non-commercial stage. (G)

415: Shakespeare. 0-3-3. The major plays and the poems. (Same as English 415.) (G)

423: Dance for the Theatre. 3--1-1 (3). A course in the advanced movements of Ballet, Jazz, and Modern Dance that are used in musical Theatre. (G)

427: Movement for the Stage. 3-1-1 (6). A performance class that introduces traditional techniques of movement styles for the stage and offers a survey of contemporary movement theory. (G)

428: Contemporary Developments in Theatre. 0-3-3. A study of theatre development since 1900. This course will cover trends, movements, and genres in all areas of theatre. (G)

434: History of the Theatre I. 0-3-3. Study of the theatre from ancient origins through the Restoration. Focus on literature, production, style, performance, and historical context. (G)

435: History of the Theatre II. 0-3-3. Study of the theatre from the 18th Century to 1960. Focus on literature, production, style, performance, and historical context. (G)

471: The Craft of Dramatic Writing. 0-3-3. An introduction to writing for the actor with emphasis on projects aimed at focusing on the structures of character, action, and dialogue. (G)

472: Advanced Dramatic Writing. 0-3-3 (6). Preq., SPTH 471 or signature of instructor. Studies in the craft of dramatic writing with varying areas of concentration including research, adaptation, writing for the screen, stage, radio, video, etc. (G)

480: Voice for the Stage. 0-3-3. A study of the use and training of the human voice for performance utilizing the Lessac system of voice training. (G)

490: Arts Management. 0-3-3. An overview of arts management in the fields of performing and visual arts. Included are basic management principles, personal management, and organizational structures and procedures. (G)

491: Promotion. 2-3-3. Study of promotional theory that enables students to design, produce and evaluate promotional campaigns for fine arts institutions and events. (G)

502: Studies in Scene Design. 0-3-3. Preq., SPTH 401. A seminar course in the theory, practice, and history of scene design for the theatre.

503: Studies in Lighting Design. 0-3-3. Preq., SPTH 403. A seminar course in the history, theory, and practice of lighting design for theatre, opera, dance, and other media.

511: Studies in Stage Costuming. 0-3-3. Preq., SPTH 406. A seminar course in the history, theory, and practice of design and construction of stage costumes.

515: Theatre Management. 0-3-3. Preq., SPTH 491. Study of theatre management concentrating on organization of business and administrative areas of theatre.

516: Arts Administration. 0-3-3. Study of arts administration concentrating on the theories and practices involved in the business aspects of theatre.

518: Interpretation of Contemporary Drama. 0-3-3. Preq., SPTH 315 and 319. A study of American and European drama from 1940 to the present.

531: History of Drama. 0-3-3. Preq., SPTH 424. A survey of dramatic literature from ancient times to the present.

533: Theories of Performance. 0-3-3. A seminar course examining the theories of major innovators in acting and directing from the ancient Greeks to the present.

536: Analysis and Criticism of Drama. 0-3-3. A seminar course in the theory of critical analysis of drama from Aristotle to the present.

SPEECH (SPCH)

110: Principles of Speech. 0-3-3. Designed to develop the principles of effective oral communication in typical speaker-audience situations, through practice in informative and persuasive speaking. (Cannot be taken for credit if student has credit for SPCH 377.)

202: Supervised Observation. 3-0-1. This course is designed to provide students with supervised observation of diagnostic and therapy sessions with clients who present speech, language and/or hearing disorders.

210: Introduction to Communicative Disorders. 0-3-3. A study of the various disorders of communication, their nature, etiology, and treatment.

211: Public Speaking. 0-3-3. Preq., SPCH 110 or permission of instructor. This course is concerned with developing advanced skill in special occasion speeches, the book review, the entertaining speech, and effective reading from an original speech.

222: Phonetics. 0-3-3. Principles of phonetics; articulatory phonetics; description and classification of sounds; transcription at different levels of detail; production and perception included.

260: The Mass Media. (0-3-3). Consideration of these media from the viewpoint of their audience; emphasizes the development of objectivity standards for evaluating mass communication. Open to all students.

300: Discussion and Debate. (0-3-3). A study of the principles of group discussion and debate with practical experience in each.

301: Anatomy and Physiology of the Speech and Hearing Mechanism. 0-3-3. Functional anatomy and physiology of those structures associated with speech production and reception.

302: Introduction to Speech and Hearing Science. 0-3-3. Comprehensive survey of the communicative process from the speaker to the listener, speech production, acoustics, and speech perception.

308: Dactylogy. 0-2-2. An introductory course in manual communication of the deaf; emphasis on drills and exercises to help students acquire a sign vocabulary and conversational fluency.

312: Clinical Procedures. 7 1/2-2-4. Students are taught principles and procedures used with clients with speech disorders through lecture, observation and supervised clinical experience.

315: Oral Interpretation of Literature. 0-3-3. Preq., SPCH 110. Advised, SPCH 211. The development of responsiveness to prose, poetry, and drama, and the ability to communicate the logical emotional and aesthetic elements to others.

- 325: Introduction to Communication Research Methods.** (0-3-3). A study of the goals and methods of research with emphasis on understanding the nature and structure of communication.
- 377: Professional Speaking.** 0-3-3. Designed to establish a foundation for effective speaking in informative speaking, in the interview, and in communication from the manuscript. (Cannot be taken for credit if student has credit for SPCH 110.)
- 411: Diagnostic Procedures.** 0-3-3. Principles and procedures for differential diagnosis of speech and language disorders. Administration and interpretation of various tests, parent interviewing, and clinical observation of behavior.
- 413: Articulation.** 0-3-3. A study of the nature, etiology, and retraining procedures related to defective articulation with emphasis on current research.
- 417: Seminar in Speech Communication.** (0-3-3). Selected current issues/topics in an identified area of theory or application within the field of Speech Communication.
- 418: Language Disorders in Children.** 0-3-3. Preq., SPCH 470. A beginning course in the study of language disorders in children with emphasis on evaluation and treatment procedures.
- 430: Nonverbal Communication.** 0-3-3. Study of the effects of space, physical properties of persons, movement, eye and vocal behavior on interpersonal communication.
- 431: Organizational Communications.** 0-3-3. Focuses on the factors related to communication processes within government, private, and volunteer organizations.
- 433: Applied Organizational Communication.** (0-3-3). Application of communication practices in organizational settings including the practical considerations that arise in conducting communication surveys.
- 440: Interpersonal Communication.** 0-3-3. Study of the verbal and nonverbal dimensions of interpersonal relationships including dialogues, interviews and dyadic systems.
- 443: Introduction to Audiology.** 0-3-3. Study of the auditory mechanism, physics of sound, the process of hearing, disorders of hearing and their treatment. (G)
- 451: Communication Training and Development.** (0-3-3). Critical analysis and practical application of the relationship between the study of communication and training and development.
- 455: Communication Theory.** (0-3-3). An examination and synthesis of theoretical approaches to contemporary communication theory with special emphasis on interpersonal contexts.
- 460: Applied Forensics.** 3-0-1 (9). Practical experience in debate and other forms of forensic speaking. May be repeated for a maximum of 9 hours credit.
- 465: Applied Practicum.** 6-0-2. Practical experience in clinical activities related to service programs. May be repeated for a maximum of 6 hours credit. Registration by permission of instructor.
- 466: Group Processes.** 0-3-3. Theory and practice of conducting group meetings, group discussions, to include parliamentary procedure.
- 470: Language and Speech Development.** 0-3-3. Study of the normal acquisition and maintenance of speech and language; theoretical formulations about speech and language behavior, and approaches to its study. (G)
- 500: Introduction to Research.** 0-3-3. A course designed to introduce students to research applicable to speech and theories of measurement including statistical and behavioral designs, reliability and judgments.
- 501: Seminar.** 0-3-3. Individual problems and research in any of the following general areas of concentration: speech communication; speech-language pathology; audiology; theatre arts. Registration by permission of instructor.
- 504: Language Disorders in Children: Remediation.** 0-3-3. Preq., SPCH 520 and permission of instructor. Etiologies, remediation techniques, principles, and programs for the language disorders found among children and adolescents.
- 507: Dysphagia.** 0-3-3. A study of etiology symptomatology, and anatomic/behavioral characteristics of dysphagia with an emphasis on principles and methods of diagnosis and treatment.
- 508: Practicum in Communicative Disorders.** 1-3 hour(s) credit (18). Supervised clinical experience with individuals who have disorders of communication.
- 509: Instrumentation and Calibration.** 0-3-3. A study of the procedures, instruments, and standards used for calibration of audiometric equipment. Measurement of noise levels and OSHA guidelines will be reviewed.
- 510: Speech Science.** 0-3-3. Study of normal speech and voice production with emphasis on the respiratory, articulatory, and phonatory mechanisms, and speech perception.
- 512: Audiological Correlates of Language Disorders in Adults.** 0-3-3. Preq., Permission of Department Head. Language changes/disorders associated with normal aging and a neurogenic origin with management implications for the audiologist.
- 513: Articulation Disorders.** 0-3-3. Preq., permission of instructor. Study of current research in testing, prediction, and management procedures for articulation disorders.
- 516: Hearing Disorders.** 0-3-3. The effects of pathologies of the auditory system on basic and advanced audiometric tests are studied.
- 517: Hearing Science.** 0-3-3. A study of basic acoustics, psychoacoustics and physiological acoustics.
- 519: Professional Issues in Speech-Language Pathology and Audiology.** 0-1-1 (6). Preq., Permission of Department Head. Issues and professional responsibilities related to the professional practice of speech-language pathology and audiology. Three semester hours required of all graduate students in SLP/A in the first year of study; may be taken for three additional semester hours with permission of Department Head.
- 520: Language Disorders in Children: Assessment.** 0-3-3. Preq., permission of instructor. A study of standardized and non-standardized techniques used to assess language disordered children and adolescents.
- 521: Anatomy and Physiology of the Hearing Mechanism.** 0-3-3. Structure and function of bodily organs related to the processes of hearing.
- 523: Adult Language Disorders.** 0-3-3. Preq., permission of instructor. A study of acquired language disorders associated with brain damage in adults with an emphasis on symptomatology, assessment, and diagnosis.
- 524: Voice Disorders.** 0-3-3. Preq., permission of instructor. A study of the etiology, symptomatology and treatment procedures for voice disorders, including those that result from laryngeal pathologies.
- 525: Cleft Palate.** 0-3-3. A study of the articulatory, resonance, and phonatory problems associated with cleft palate and facial maxillary disturbances including medical and speech therapy, habilitative and rehabilitative procedures.
- 526: Disorders of Fluency.** 0-3-3. Preq., permission of instructor. A critical review of the literature to synthesize information regarding the definitions of fluency disorders, theories of etiologies, symptomatology, and treatment.
- 527: Advanced Diagnostic Procedures.** 0-3-3. A study of formal and informal assessment procedures applicable to speech/language disorders. Emphasis on the role of differential diagnosis, specialized test procedures, and referral procedures.
- 528: Motor Speech Disorders.** 0-3-3. Preq., permission of instructor. A study of motor speech disorders that result from damage to the central and peripheral nervous systems, their etiologies, symptomatology, diagnoses, and management.
- 529: Management of Adult Language Disorders.** 0-3-3. Preq., SPCH 523 and permission of instructor. Clinical management of acquired adult language disorders.
- 530: Special Problems in Communicative Disorders.** 0-3-3. Registration by permission of instructor. Individual research assignments in speech pathology and audiology.
- 533: Differential Audiology.** 0-3-3. Discussion, demonstration and interpretation of behavioral tests used to differentiate hearing disorders.
- 534: Qualitative Research Methods.** 0-3-3. The use of observational and interviewing research techniques for studying human communication.
- 535: Hearing Aids.** 0-3-3. Involves discussion of hearing aids, selection procedure, and the amplification needs of the individual.
- 537: Seminar in Interpersonal Communication.** 0-3-3. Interpersonal communication theory and research including topics concerning acquaintance, attitudes, language, nonverbal codes, and dyadic and small group communication patterns.
- 539: Seminar in Organizational Communication.** 0-3-3. Topics include theories of organizational communication, consultation, research and field experience in organizations, communication in organizational settings and communication styles in decision making.
- 540: Industrial Audiology.** 0-3-3. Directed toward the study of management and control of hearing problems in industry, and conservation of hearing in occupations and activities involving excessive noise exposure.
- 541: Physiological Tests of Auditory Function.** 0-3-3. Auditory evoked potentials and electro-nystagmography examined in relation to purpose, scientific basis, procedures, and interpretation.

- 542: Seminar in Central Auditory Processing Disorders.** 0-3-3. A study of central auditory processing disorders including examination of various auditory tests for central processing, including strengths and weaknesses of the tests.
- 543: Seminar in Pediatric Audiology.** 0-3-3. A study of the investigation, identification, and assessment of children with audiological problems.
- 544: Communication in Small Groups.** 0-3-3. Study of theory and research in the dynamics of small group communication processes with emphasis on the interaction of message variables with other variables.
- 545: Clinical Audiological Experience.** 1 - 3 hour(s) credit (18). Supervised practicum in audiology including testing, aural habilitation/rehabilitation, report writing, and counseling clients with auditory problems.
- 546: Conference Course in Speech Communication.** 0-3-3. Readings in the literature of speech communication designed to expand opportunities for individual consultation in research and in informational aspects of the students' work.
- 547: Internship.** Advanced practicum in organizational communication in public, private and volunteer organizations.
- 548: Psychoacoustics.** 0-3-3. A study of the experimental areas of audiology that are directed toward developing a theory of auditory functioning. May be repeated one time for credit.
- 555: Externship in Communicative Disorders.** 8 semester hours. 40 contact hours per week. Preq., permission of the instructor. Supervised clinical practicum in an affiliated off campus clinical facility.
- 556: Seminar in Aural Rehabilitation.** 0-3-3. Review of topical areas in aural rehabilitation for the infant through geriatric population.
- 558: Seminar in Amplification.** 0-3-3. A study of recent advances in technology, rehabilitation strategies, and measurement as applied to amplification for the hearing impaired.
- 559: Special Topics.** 1-4 hours credit. Selected topics in an identified area of study in speech and hearing science, audiology, or speech-language pathology.

STATISTICS (STAT)

- 200: Basic Statistics.** 0-3-3. Preq., Mathematics ACT score is greater than or equal to 26, or Mathematics ACT score is greater than or equal to 590, or Placement by Exam, or MATH 101. Sample statistics, frequencies, normal and binomial distributions, point and interval estimation, significance testing, linear regression.
- 400: Introduction to Probability and Statistics.** 0-3-3. Preq., MATH 242. Probability, random variables, discrete and continuous distributions, mathematical expectations, estimation, hypothesis testing, regression, analysis of variance. (G)
- 402: Introduction to Statistical Analysis.** 0-3-3. Preq., MATH 101, junior standing and consent of the instructor; non-COES majors only. Understanding and applying: descriptive statistics, p-values, estimation, significance, regression, correlation. Use of packaged computer programs. (G)
- 405: Statistical Methods.** 0-3-3. Preq., MATH 242, or consent of instructor. Data description, discrete and continuous random variables, inferences about means and variances of populations, categorical data, regression, correlation, analysis of variance, computers in data analysis. (G)
- 506: Regression Analysis.** 0-3-3. Preq., STAT 405 or equivalent. Simple and multiple regression, inferences in regression, model formulation and diagnostics, analysis of covariance, nonlinear models, estimation and inference. Use of computers in data analysis.
- 507: Analysis of Variance.** 0-3-3. Preq., STAT 405 or equivalent. Analysis of variance for standard and unbalanced experimental designs, multiple comparisons, fixed, random, and mixed effects models. Use of computers for data analysis.
- 508: Biometrics.** 0-3-3. Preq., a course in statistics, or consent of instructor. Binomial, and normal distributions, hypothesis testing, regression, correlation, analysis of variance.
- 510: Advanced Statistics For Quality Improvements.** 0-3-3. Preq., STAT 506, 507, or consent of instructor. Least squares, fractional factorials, Taguchi's parameter design, performance criteria, second-order designs, fitting second-order models, exploration of response surfaces, optimization.
- 511: Design of Experiments.** 0-3-3. Preq., STAT 506 or 507 or 508, or equivalent. Factorial and fractional factorial experiments, incomplete block designs, repeated measures, split-plot, response surface, cross-over designs, use of computers for data analysis.
- 520: Applied Probability and Mathematical Statistics.** 0-3-3. Preq., MATH 245, and a 400-level or above STAT course, or consent of instructor.

Probability, random variables, discrete and continuous distributions, joint and conditional distributions, distribution of functions of random variables, expectations, moment generating functions.

- 525: Multivariate Statistics.** 0-3-3. Preq., STAT 506 and 507, and MATH 308, or consent of instructor. Tests of hypotheses on means, multivariate analysis of variance, canonical correlation, principle components, factor analysis, computer applications.
- 530: Nonlinear Models.** 0-3-3. Preq., STAT 506, 507, and MATH 244, or consent of instructor. Parameter estimation, tests of hypotheses, confidence intervals and regions, measures of curvature, use of computer algorithms.
- 548: Theory of Probability.** 0-3-3. Preq., any 500-level STAT course, and MATH 244, or consent of instructor. Combinatorial analysis, conditional probability, distribution theory, random variables, random vectors, limit theorems, random walks.
- 550: Practicum in Statistical Consulting.** 0-1-1 (3). Preq., STAT 506, 507, 511, or equivalent. Working with clients on statistical problems arising in research, such as modeling, design, data analysis and interpretation.
- 556: Time Series Analysis.** 0-3-3. Preq., MATH 245, and STAT 520, or consent of instructor. Spectral analysis, least square filtering, parameter estimation, stationary random processes, ARIMA models, trend and seasonality.
- 606: Linear Statistical Models.** 0-3-3. Preq., MATH 244 and 308, and STAT 506, 507, or consent of instructor. Generalized inverses, quadratic forms, Gauss-Markov theory, estimability, full rank models, non-full rank models, covariance analysis.
- 620: Theory of Probability.** 0-3-3. Preq., any 500-level STAT Course, and MATH 244, or consent of instructor. Combinatorial analysis, conditional probability, distribution theory, random variables, random vectors, limit theorems, random walks.
- 621: Theory of Statistics.** 0-3-3. Preq., STAT 520 or 620 or consent of instructor. Point estimation, interval estimation, statistical hypotheses, statistical tests, nonparametric inference, normal distribution theory.
- 625: Multivariate Statistics.** 0-3-3. Preq., STAT 506 or 507, MATH 308, or consent of instructor. Tests of hypotheses on means, multivariate analysis of variance, canonical correlation, principle components, factor analysis, computer applications.
- 630: Nonlinear Models.** 0-3-3. Preq., STAT 506 or 507, and MATH 244; or consent of instructor. Parameter estimation, tests of hypotheses, confidence intervals and regions, measures of curvature, use of computer algorithms.
- 650: Time Series Analysis.** 0-3-3. Preq., MATH 244, and STAT 506, or consent of instructor. Spectral analysis, least square filtering, parameter estimation, stationary random processes, ARIMA models, trend and seasonability.
- 651: Discrete Markov Processes.** 0-3-3. Preq., MATH 244 and 308, and STAT 520, or consent of instructor. Probability generating functions, Markov chains, renewal processes, Poisson processes, branching processes.
- 652: Stochastic Processes.** 0-3-3. Preq., STAT 520, and MATH 245, or consent of instructor. Birth-death processes, random walks, diffusion processes.
- 680: Topics in Statistics.** 0-3-3 (9). May be repeated for 3 hours credit each time.

STUDY SKILLS (STSK)

- 099: Developmental Orientation and Study Skills.** 0-2-2. Identification and application of practical study techniques and attitudes associated with college success; identification of goals, time management and scheduling. (Pass/Fail)

UNIVERSITY SEMINAR (UNIV)

- 100: Orientation and Study Skills.** 1-2 hour(s) credit. Orients new students to the University and facilitates the identification and application of practical study techniques and attitudes associated with college success; identification of goals, time management and scheduling.
- 101: Academic Skills Enhancement.** 1-3-3. Required if Reading ACT score is less than or equal to 17. Orients new students to the University environment and builds reading and study skills fundamentals, which are essential for success in higher education.