



## ***Course Descriptions***

## **Descriptions**

Descriptions of all courses offered for undergraduate credit are arranged alphabetically by academic discipline on the following pages. Not all courses are available every term. A schedule of classes is available before the registration period for each term as an announcement of course offerings. Students are advised to consult these schedules prior to registration. The University reserves the right to withdraw any course on the grounds of insufficient enrollment.

## **Course Numbering**

USC Upstate courses numbered from 001 to 599 may be taken for undergraduate credit. The following distinctions are made among course numbers:

- 101-299** Lower division courses primarily for students with freshman and sophomore standing.
- 300-499** Upper division courses primarily for students with junior and senior standing.
- 400-599** Upper division courses primarily for students with senior standing.

With consent of the advisor, a student may take courses numbered above or below the level normally taken by their academic classification (freshman, sophomore, junior or senior).

## **Course Credit**

The credit value of each course is usually determined by the number of class meetings per week for one semester. Two or three laboratory hours (one period) are equivalent to one class meeting. The semester hour credit for each course is included in each course description.

## **Prerequisites**

Students may be removed from any class for which prerequisites or other defined requirements have not been met.

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## **African American Studies (SAAS)**

**SAAS 201. Introduction to African American Studies (3)** An introduction to the methods and themes of African American Studies. Topics include the development of the discipline, major frameworks, research and writing in the subject area. Prerequisite: SEGL 102.

**SAAS 204. African American Culture (3)** An introduction to the ideas and customs of African Americans including but not limited to artistic, anthropological, psychological, linguistic, and culinary dimensions. Prerequisite: SEGL 102.

**SAAS 398. Topics in African American Studies (3)** Intensive study of selected topics. Prerequisite: SEGL 102.

## **American Studies (SAMS)**

**SAMS 101. American Studies, 17th-19th Century (3)** A survey of the historical, political, social, economic and cultural forces that shaped American life from the early seventeenth to the late nineteenth century.

**SAMS 102. American Studies, 20th Century (3)** A survey of the historical, political, social, economic and cultural forces that have shaped American life in the twentieth century.

**SAMS 398. Topics in American Studies (3)** Interdisciplinary reading and research on selected aspects of American culture. May be taken more than once if the topic is different. Prerequisite: SAMS 101 or 102, junior or senior standing, or consent of instructor.

**SAMS 399. Independent Study (1-3)** An individualized, contracted program of study planned in conjunction with a faculty member. Prerequisite: consent of instructor.

## **Anthropology (SANT)**

**SANT 102. Understanding Other Cultures (3)** Introduction to the concepts, methods and data of socio-cultural anthropology and anthropological linguistics.

## **Art Education (SAED)**

**SAED 330. Foundations of Art Education (3)** Introduction to art education as a profession through theories, historical references and philosophies. Current initiatives in the field will be reviewed through educational research. Prerequisites: Minimum grade of "C" in SART 103 and 110.

**SAED 429. Elementary and Middle School Methods for Art Education (3)** Instructional strategies to construct appropriate curriculum for K-8 schools. The topics are artistic growth of children, responding to art works, studio production and classroom management. A portion of the course includes a 30 hour practicum component. Prerequisites: SAED 330 and admission to the professional program.

**SAED 430. Secondary Methods for Art Education (3)** Curriculum designs for secondary visual arts classroom. The development of instructional skills for various student populations is included in the course of study as well as research and current initiatives. The course includes a 30 hour practicum component in the schools. Prerequisites: SAED 429 and admission to the professional program.

**SAED 450. School Art Program (3)** Developing and working with essential components of visual arts programs in the schools, including the national and state standards with assessment methodology. Also a supervised clinical experience in the school art classrooms of 40 hours provides strategies to teach art in grades K-12. Observation and participation in classroom settings is required to

focus on classroom management and conflict resolution. Prerequisites: SAED 429 and admission to the professional program in art education.

**SAED 460. Directed Teaching in Art Education (3)** A supervised clinical experience consisting of 15 weeks in school setting, normally with 50% in elementary level and the remaining 50% in the middle or secondary level. In addition to teaching in the K-12 school classroom, candidates participate in regular seminars where they (1) analyze problems relating to their K-12 experiences; (2) explore ethical and legal issues and trends in K-12 education; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application of directed teaching. Pass/Fail.

### Art History (SATH)

**SATH 101. Introduction to Art (3)** Formal, historical and iconographic analysis of architectural monuments, paintings and sculpture; aspects of various theories of art and architecture.

**SATH 105. History of Western Art: Prehistory-Middle Ages (3)** Survey of the visual arts from Paleolithic times to the Medieval period, with emphasis on the major civilizations of Egypt, the Ancient Near East, Rome, Byzantium and Medieval Europe.

**SATH 106. History of Western Art: Renaissance-Present (3)** Survey of the visual arts in Western civilizations from the Renaissance to the present.

**SATH 301. Women and Art (3)** Art by women and about women as it relates to issues of gender and sexual identity and how these intersect with social and historical constructions of race and class. Emphasis is on reading, research and written material. Prerequisite: SEGL 102.

**SATH 304. Southern Folk Art (3)** Techniques and traditions of Southern folk art concentrating on artists of South Carolina. Prerequisite: SEGL 102.

**SATH 305. American Art (3)** Colonial era to the present. Particular attention is paid to the relationship of the visual arts to social and political history and to the way visual culture shaped early ideas about nationhood. Emphasis is on reading, research and written material. Prerequisite: SEGL 102.

**SATH 306. Twentieth Century Art (3)** Major developments in art of the past century. International perspectives are stressed as are social, political and intellectual contexts. Emphasis is on reading, research and written material. Prerequisites: SATH 106 or SATH 305 or consent of instructor.

**SATH 308. History of Design (3)** From the Industrial Revolution to the present. The social, cultural, economic, political, technical and aesthetic contexts of design are explored. Emphasis is on reading, research and written material. Prerequisites: SATH 106 or 305 or consent of instructor.

**SATH 309. History of Photography (3)** How photographs create meaning in and are given meaning by their social and historical contexts from the 1830s to the present. Emphasis is on reading, research and written material. Prerequisites: SATH 106 or 305 or SJOU 201 or 302.

**SATH 310. African Art (3)** Prehistory to the present. Particular attention is paid to the complexity of African cultures and to the social roles that art fills in the lives of its makers and consumers. Emphasis is on reading, research and written material. Prerequisite: SEGL 102.

**SATH 350. Art History Study Abroad (3-6)** Travel in selected regions outside the United States, and field study of historical and contemporary art and artists, with emphasis on art history.

**SATH 352. Art History Field Study (3)** Critical examination of major developments in contemporary art involving travel to major metropolitan areas in the United States. Course may be taken twice if the city is different. Emphasis is on reading, research and written material. Prerequisite: 3 hours of art history credit or consent of instructor.

**SATH 398. Selected Topics in Art History (3)** Intensive study of selected topics in art history.

**SATH 399. Independent Study (3)** Design and development of research projects of a complex and extensive nature. A student may repeat SATH 399 with a different independent study contract description for a total of no more than six hours of undergraduate credit. Prerequisites: Junior level standing and consent of the instructor.

**SATH 400. Art History Methods (3)** Philosophical and historical underpinnings of art history, theory and criticism. Advanced readings address traditional analytical models and new theories generated by modernism and postmodernism. Emphasis is on reading, research and written material. Prerequisites: 3 hours of art history credit or consent of instructor.

**SATH 450. Art History Study Abroad II (3-6)** Travel in selected regions outside the United States, and advanced field study of historical and contemporary art and artists, with emphasis on art history. Prerequisite: 6 credit hours of art or consent of the instructor.

**SATH 499. Art History Internship (3-6)** Supervised work experience in an art history related environment, resulting in a meaningful project/activity for the employing firm and a scholarly project for the student. For three internship credit hours, a minimum of 135 hours of scheduled work, periodic class meetings and consultation with the instructor are required. A contractual agreement signed by the employer, the student, the instructor, the dean of the college is mandatory. Standard grading. A student may repeat SATH 499 with a different internship description for a total of no more than six hours of undergraduate credit. Prerequisites: Junior level standing with 6 hours in art history or consent of the instructor.

## Art Studio (SART)

### **SART 103. Fundamentals of Two Dimensional Design**

(3) Introduction to visual thinking and principles of two-dimensional design, including line, form, space, texture, color and basic technical skills.

### **SART 104. Fundamentals of Three Dimensional Design**

(3) Introduction to visual thinking and principles of three-dimensional design, including form, volume and space.

**SART 108. Computer Graphics I (3)** Introduction to the hardware and software used in creating graphic design and illustration.

**SART 110. Drawing I (3)** Introduction to the materials and techniques of drawing, emphasizing visual perception and drawing skills.

**SART 202. Ceramics I (3)** Process of forming, decorating, glazing and firing. Prerequisite: SART 104 or consent of instructor.

**SART 203. Color and Composition (3)** Color theory and compositional systems. Prerequisite: SART 103.

**SART 204. Three Dimensional Studies II (3)** Materials and techniques of three dimensional design and sculpture beyond the introductory level. Prerequisite: SART 104.

**SART 205. Digital Art I (3)** Creative approaches to developing fine art projects at the intermediate level using raster and vector computer graphics. Projects emphasize image development, two and three-dimensional design solutions and content. Prerequisites: SART 108 or consent of instructor.

**SART 206. Illustration I (3)** Introduction to illustration with an emphasis on visual problem solving, creativity, effective communication and aesthetics. Visual skills are defined through exploration of various media resulting in appropriate visual solutions for illustration communication. Prerequisite: SART 103, SART 210, or consent of instructor.

**SART 207. Printmaking I (3)** Materials and techniques of major printmaking processes in historical and contemporary application. Techniques include relief, intaglio, lithography and monotype. Prerequisite: SART 203.

**SART 210. Drawing II (3)** Materials and techniques of drawing beyond the introductory level. Prerequisite: SART 110 or consent of instructor.

**SART 211. Introduction to Painting (3)** Materials and techniques of painting, emphasizing color theory, compositional structures, content, and expression. Prerequisite: SART 203 or consent of instructor.

**SART 214. Graphic Design I (3)** Creative problem-solving with emphasis on 2-D solutions to conceptual prob-

lems; translation of concept into form using word, image and layout; introduction to history of graphic design and typography. Prerequisites: SART 108. Prerequisite or corequisite: SART 110 or consent of the instructor.

**SART 228. Business for the Visual Artist (3)** Aspects of business relevant to the visual artist, emphasizing basic accounting and taxes; marketing and promotion; copyrights; sales by artist, gallery, or agent; and contracts. Feedback is received through class discussions and exercises, written examinations, and a final team project. Prerequisites: 6 hours of art history and/or art studio or consent of instructor.

**SART 229. Introduction to Crafts (3)** Traditional craft media: techniques, design and contemporary concepts.

**SART 230. Design and Technology (3)** Introduction for non-majors to design principles, layout and publication using computer technology and emphasizing practical uses and applications. Does not count for credit in the B.F.A. Art Studio degree. Prerequisite: SCSC 138 or higher.

**SART 231. Introduction to Life Drawing (3)** Emphasis on visual perception and skills of life drawing from the live model in a variety of media, using both clothed and unclothed male and female models. Prerequisite: SART 210 or consent of instructor.

**SART 255. Art Practicum (1)** Participation in art production and activities, including art gallery and art exhibition preparation and maintenance, exhibition publicity and announcement design and distribution, studio and equipment preparation maintenance and monitoring, art information services including art department and art gallery web site design and maintenance. No formal class meetings. Requires 30 contact hours per semester. May be repeated for a total of four credits.

**SART 261. Introduction to Photography (3)** Techniques and procedures of photography, including processing. Prerequisite: SART 103 or consent of instructor.

**SART 262. Digital Photography (3)** Technical, aesthetic and conceptual procedures of digital photography including composing, shooting, processing, manipulation and printing. Prerequisite: SART 108.

**SART 302. Ceramics II (3)** Ceramic processes and techniques and technical investigation in clay bodies and glazes with emphasis on the wheel throwing technique. Prerequisite: SART 202 or consent of instructor.

**SART 305. Digital Art II (3)** Creative approaches to developing fine art projects at the advanced level using raster and vector computer graphics. Projects emphasize personal image development, two and three-dimensional design solutions, and content. Prerequisite: SART 205.

**SART 306. Illustration II (3)** Continued exploration of visual communication with an emphasis on concept and professional quality of work. Prerequisite: SART 206 or consent of instructor.

**SART 307. Printmaking II (3)** Intermediate application of materials and techniques of major printmaking processes in historical and contemporary application. Emphasis is on content, individual expression, and series development. Prerequisite: SART 207.

**SART 310. Drawing III (3)** Methods and materials of graphic representation and expression with emphasis on individual creative expression. Prerequisite: SART 210.

**SART 311. Painting II (3)** Intermediate application of materials and techniques of painting processes using representational and non-representational subject matter. Emphasis is on content and individual expression. Prerequisite: SART 211.

**SART 314. Graphic Design II (3)** Continuation of translation of concept into form with emphasis on typography, letterforms, typographic syntax and type specification. Prerequisite: SART 214 or consent of instructor.

**SART 315. Graphic Design III (3)** Advanced design problems with emphasis on individual development and exploration of contemporary design issues. Prerequisite: SART 314 and successful completion of portfolio review.

**SART 318. Interface Design I (3)** Introduction to technical and aesthetic concepts and problem solving of interface design including but not limited to web design, CD ROM design, collection and preparation for basic assets (graphics, video, sound). Prerequisite; SART 214 or consent of instructor.

**SART 350. Art Study Abroad (3-6)** Travel in selected regions outside the United States, and field study of historical and contemporary art and artists with emphasis on studio techniques.

**SART 361. Photography II (3)** Technical, historical and aesthetic aspects of photography. Projects allow the development of personal imagery and technique. Prerequisite: SART 261.

**SART 362. Photography III (3)** An historical and critical approach to photography. Several major projects utilize traditional or alternative techniques. Prerequisites: SART 361.

**SART 391. Motion Graphic Design (3)** Introduction to animated interface design as applied to the graphic design and communications industry. Prerequisite: SART 318.

**SART 398. Special Topics in Art (3)** Intensive study of selected topics in art. Prerequisites: junior level standing with 6 hours in art or consent of the instructor.

**SART 399. Independent Study (1-6)** Opportunities to design and develop projects of a complex and extensive nature in keeping with the student's major creative interests. A student may repeat SART 399 with a different independent study contract description for a total of no more than six hours of undergraduate credit. Prerequisite: Junior level standing and consent of instructor.

**SART 402. Ceramics III (3)** Advanced ceramic processes and techniques and technical investigation in clay bodies and glazes with emphasis on the wheel throwing technique. Prerequisite: SART 302.

**SART 407. Printmaking III (3)** Intaglio, lithography, block printing, and the advanced execution of original works in these media. Prerequisite: SART 307.

**SART 410. Drawing IV (3)** Advanced methods and materials of graphic representation and expression with emphasis on individual creative expression. Prerequisite: SART 310.

**SART 411. Painting III (3)** Advanced application of materials and techniques of painting processes using representational and non-representational subject matter. Emphasis is on content, individual expression, and series development. Prerequisite: SART 311.

**SART 414. Graphic Design IV (3)** Graphic problem solving in the community/business environment; advanced production techniques for the graphic designer. Prerequisite: SART 315.

**SART 418. Interface Design II (3)** Intermediate interface design with emphasis on individual development and exploration of contemporary technical and aesthetic design issues including but not limited to web design, CD ROM design, collection and preparation of basic assets (graphics, video, sound). Prerequisite: SART 318 or consent of instructor.

**SART 450. Art Study Abroad II (3-6)** Travel in selected regions outside the United States, and advanced field study of historical and contemporary art and artists, with emphasis on studio techniques. Prerequisite: 6 credit hours of art or consent of the instructor.

**SART 489. Senior Portfolio Development (3)** Revision and finalization of projects, thesis, portfolio/vita preparation. Prerequisites: SART 315; Corequisite: SART 414.

**SART 490. Senior Seminar Graphic Design (3)** Preparation of thesis, senior exhibition, portfolio finalization, oral presentation, and explorations of ethical issues. Prerequisite: SART 489.

**SART 499. Art Studio Internship (3-6)** Supervised work experience in an art environment, resulting in a meaningful project/activity for the employing firm and a scholarly project for the student. For three internship credit hours, a minimum of 135 hours of scheduled work, periodic class meetings and consultation with the instructor are required. A contractual agreement signed by the employer, the student, the instructor, and the dean of the college is mandatory. Standard grading. A student may repeat SART 499 with a different internship description for a total of no more than six hours of undergraduate credit. Prerequisites: Junior level standing with 6 hours in art or consent of the instructor.

## **Astronomy (SAST)**

**SAST 111. Descriptive Astronomy (3)** The universe: physical processes and methods of study. (SAST 111L is available for additional credit.)

**SAST 111L. Descriptive Astronomy Laboratory (1)** Demonstrations, exercises and night viewings. Three hours per week. Prerequisite or Corequisite: SAST 111.

## **Biology (SBIO)**

**SBIO 101. Biological Science I (4)** Biological principles underlying cell chemistry, cell biology, classification, plant diversity, plant anatomy, and physiology. Designed for science majors. Three class and three laboratory hours per week.

**SBIO 102. Biological Science II (4)** Biological principles underlying cell origins, genetics, diversity of monera, protista, and animals; mammalian anatomy and physiology. Dissection of preserved specimens is required. Prerequisite: SBIO 101. Designed for science majors. Three class and three laboratory hours per week.

**SBIO 110. General Biology (4)** Current principles of cell biology, biochemistry, genetics, reproduction, development, and plant and animal diversity, as well as societal concerns. Not for major credit. Three class and three laboratory hours per week.

**SBIO 201. Introduction to Ecology and Evolutionary Biology (4)** Basic, applied, and theoretical ecology and the foundations of evolutionary biology. Laboratories illustrate lecture concepts and provide experience with fundamental skills of biostatistics, hypothesis testing, and scientific writing. Prerequisites: SBIO 101 and 102 with a "C" or better or consent of instructor. Three class and three laboratory hours per week.

**SBIO 202. Introduction to Cell and Molecular Biology (4)** Basic principles of the origin, evolution, function and diversity of cells. Emphasis is placed on molecular level approaches to the scientific study of eukaryotic cell function, physiology, metabolism, ultrastructure, and evolution, as well as the use of cells relevant to medical, biosocial, and bioenvironmental issues. Prerequisite: SBIO 201 with "C" or better. Three class and three laboratory hours per week.

**SBIO 205. Introduction to Field Ornithology (3)** Basic morphology, ecology, behavior, evolution, identification, and natural history of birds with emphasis on the major groups and species found in South Carolina. Local and regional weekly field trips, including a weekend long trip focused on coastal and marine species identification and their natural history, are required. Biology 205/305 will be offered concurrently. Projects for students enrolled in SBIO 305 will be more in depth and the standard for grading will be more demanding. Students may not receive credit for both courses. Biology 205 cannot be taken for major credit. Prerequisites: Consent of instructor.

**SBIO 205L. Introduction to Field Ornithology Laboratory (1)** Additional hours in the application of avian field identification techniques and in the observation of the natural history traits and characteristics of the common and important birds of South Carolina and vicinity. Biology 205L/305L will be offered concurrently. Projects for students enrolled in SBIO 305L will be more in depth and the standard for grading will be more demanding. Students may not receive credit for both courses. SBIO 205L cannot be taken for major credit. Pre- or Corequisite: SBIO 205 or consent of instructor.

**SBIO 206. Genetics and Society (3)** Fundamentals of genetics, with an emphasis on human genetics; relevance of recent advances and concerns in contemporary society related to genetic technology. Not for major credit.

**SBIO 232. Human Anatomy (4)** Gross and microscopic structure of the systems of the human body including essential technical terminology. Dissection of preserved specimens is required. Three class and three laboratory hours per week.

**SBIO 240. Human Biology and Society (3)** Fundamentals of functional human biology; development of a relevant knowledge of medical issues and concerns in contemporary society such as cloning, emerging diseases, genetic testing, cancer, emphysema, organ transplants and cardiovascular disease. Not for major credit.

**SBIO 242. Human Physiology (4)** Functions of systems of the body emphasizing homeostasis, biochemistry and control mechanisms. Three class and three laboratory hours per week. Prerequisite: SBIO 232, and SCHM 109 or SCHM 111.

**SBIO 270. Environmental Science (3)** The interrelationship of humans and their environment emphasizing the impact of pollution on human health. Not for major credit.

**SBIO 305. Field Ornithology (3)** Basic morphology, ecology, behavior, evolution, identification, and natural history of birds with emphasis on the major groups and species found in South Carolina. Local and regional weekly field trips, including a weekend long trip focused on coastal and marine species identification and their natural history, are required. Biology 205/305 will be offered concurrently. Projects for students enrolled in SBIO 305 will be more in depth and the standard for grading will be more demanding. Students may not receive credit for both courses. Biology 205 cannot be taken for major credit. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 305L. Field Ornithology Laboratory (1)** Additional hours in the application of avian field identification techniques and in the observation of the natural history traits and characteristics of the common and important birds of South Carolina and vicinity. Biology 205L/305L will be offered concurrently. Projects for students enrolled in SBIO 305L will be more in depth and the standard for grading will be more demanding. Students may not receive credit for both courses. SBIO 205L cannot be taken for

major credit. Pre- or Corequisite: SBIO 305 or consent of instructor.

**SBIO 310. Invertebrate Zoology (4)** Phylogenetic and comparative aspects of anatomy, physiology, ecology, reproduction and embryology of the invertebrates. Dissection of preserved specimens is required. Three class and three laboratory hours per week. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 315. Comparative Vertebrate Anatomy (4)** Phylogenetic and comparative aspects of structure, development, and evolution. Dissection of preserved specimens is required. Three class and three laboratory hours per week. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 320. General Botany (4)** Phylogenetic survey of the morphology, anatomy, and taxonomy of the major plant divisions. Three lecture and three laboratory hours per week. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 330. Microbiology (4)** Introduction to bacteria and viruses, emphasizing morphology, pathogenic microbes, antigen-antibody relationships, and antimicrobial agents in chemotherapy. Three class and three laboratory hours per week. Prerequisites: four hours of biological science and SCHM 109 or SCHM 111 or consent of instructor.

**SBIO 350. Genetics (4)** Basic principles of transmission, molecular and population genetics. Three class and three laboratory hours per week. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 370. Pathophysiology (3)** Disruptions of normal physiology, processes that bring about disruptions, and manifestations of disruptions. Prerequisites: SBIO 232, 242 and 330 or consent of instructor.

**SBIO 375. Evolutionary Biology (4)** Historical development of evolutionary theory; natural and sexual selection; micro- and macroevolution; mass extinctions; current concepts of phylogeny and systematics; human evolution. Laboratories illustrate lecture concepts as well as readings from the primary literature. Three class and three laboratory hours per week. Prerequisite: SBIO 201 or consent of instructor.

**SBIO 380. Biogeography (4)** The distribution of plant and animal species and the ecological, biological and geographic phenomena controlling such patterning. Labs consist of a series of weekend field trips. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 390. Gross Human Anatomy (3)** An investigation of human anatomy using cadaver dissection in a laboratory setting. Prerequisite: SBIO 232 or consent of instructor.

**SBIO 395. Internship in Biological Science (1-3)** Supervised work experience in biological science. A minimum

of three hours work per week is required for each credit hour. A contractual agreement signed by the supervisor, the student, the instructor, and the division chair is required. Prerequisite: junior or senior standing. Pass/fail credit.

**SBIO 398. Topics in Biology (1-3)** Intensive study in selected areas. Individual topics are announced. Prerequisite: consent of instructor.

**SBIO 399. Independent Study (1-3)** Directed research project. Prerequisite: consent of instructor. Not for major credit.

**SBIO 507. Developmental Biology (4)** Morphogenetic patterns of embryonic development along with their molecular and cellular bases; and mechanisms of differentiation. Three class and three laboratory hours per week. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 525. Plant Taxonomy (4)** The major classes of flowering plants found in South Carolina. Emphasis is placed on economic and horticultural uses. Three class and three laboratory hours per week. Prerequisites: SBIO 101 and 102 or consent of instructor.

**SBIO 530. Histology (4)** The microscopic anatomy of human cells, tissues and organs. Three class and three laboratory hours per week. Prerequisites: two semesters of biological science and two semesters of chemistry.

**SBIO 531. Parasitology (4)** Parasites of animals, with emphasis on the immunological, clinical and epidemiological aspects of human parasitism. Dissection of specimens is required. Three class and three laboratory hours per week. Prerequisites: two semesters of biological science and two semesters of chemistry.

**SBIO 534. Animal Behavior (4)** Identification and classification of behavior patterns exhibited by various species of animals; the development of behavior; proximate and ultimate causes of behavior. Three hours class and three hours laboratory per week. Prerequisites: six credits in basic psychology, or SPSY 101 and SBIO 102.

**SBIO 535. Neurobiology (4)** Introduction to neuro-anatomical-functional relationships. Topics include the anatomical organization of major nuclei and tracts, neurochemical mechanisms, and neural integration of behavior. Three class and three laboratory hours/week. Prerequisites: SBIO 101 & 102 or consent of instructor.

**SBIO 540. Immunology (4)** Introduction to the molecular and cellular basis of the immune response. Topics include anatomy of the lymphoid system, and innate immune response, lymphocyte biology, antigen-antibody interactions, humoral and cellular effector mechanisms; control of immune responses, and the evolution of immunodefense mechanisms. Prerequisites: SBIO 102 and SCHM 112; and Pre- or Corequisite: SBIO 330 or 340; or consent of instructor. Three class and three laboratory hours per week.

**SBIO 550. Molecular Cell Biology (4)** Structure and functions of nucleic acids and proteins; molecular arrangement of prokaryotic, and eukaryotic genomes; the processes of DNA replication, DNA repair, gene transcription, and protein translation; control and coordination of gene activity as they relate to cellular processes in normal and disease states. Techniques used in contemporary molecular biology labs including recombinant DNA, electrophoresis of nucleic acids and proteins, Western blotting, and bioinformatics are covered in the laboratory. Three class and three laboratory hours per week. Prerequisites: SBIO 202 and eight hours of chemistry, or consent of instructor.

**SBIO 570. Principles of Ecology (4)** Interactions of organisms and the environment; ecosystems structure and functions. Three class and three laboratory hours per week. Prerequisite: SBIO 102.

**SBIO 581. Biochemistry I (3) (=SCHM 581)** Structure and function of the major classes of biological compounds and biological membranes. Content includes a kinetic and equilibrium based approach to biological transport and catalysis, signaling, and an introduction to bioenergetics. Prerequisite: SCHM 332 or consent of instructor.

**SBIO 582. Biochemistry II (3) (=SCHM 582)** Chemistry of biological information pathways. DNA, RNA, and protein metabolism, organization of genes on chromosomes, regulation of gene expression, and applications of these topics to biotechnology problems are covered. Prerequisite: SBIO 541/SCHM 581 or consent of instructor.

**SBIO 583L. Biochemistry Laboratory (1) (=SCHM 583L)** A survey of laboratory methods in biochemistry. Three laboratory hours per week. Prerequisite or corequisite: SCHM 581 or 582.

**SBIO 599. Senior Seminar (3)** Integration of biological knowledge at an advanced level and exploration of ethical issues. Prerequisites: statistics, SSPH 201, and a minimum grade of "C" in SBIO 101, SBIO 102, SBIO 201, SBIO 202, and 12 hours of biology coursework at the 300 level or above; or consent of instructor.

### **Business Administration (SBAD)**

**SBAD 225. Financial Accounting (3)** Principles of external financial reporting for business entities, including income measurement and determination of financial position. Prerequisites: SMTH 120 or 121 or 126.

**SBAD 226. Managerial Accounting (3)** Attention-directing and problem solving functions of accounting in relation to planning and control, evaluation of performance, and special decisions. Prerequisite: SBAD 225.

**SBAD 290. Introduction to Business Information Systems (3)** Fundamental information systems concepts and overview of information technology. Topics include: computer hardware, information systems software, telecommunications, Networks database and spreadsheet applications, business applications, and the Internet, Elec-

tronic commerce, and the World Wide Web. Prerequisites: SCSC 138 or 141.

**SBAD 298. Gateways to Business (3)** Nature of business and business skills required for success in the twenty-first century. Business environments in the Upstate are discussed in relation to individual career goals.

*Note: Students seeking a degree in business must be admitted to the Professional Program (Upper Division) before enrolling in 300-level and above business administration and economics courses. Students not majoring in business must have 54 credit hours earned to take 300-level and above business administration and economics courses. Additional prerequisites are included in individual course descriptions. Students not majoring in business can enroll in no more than 29 semester hours of Johnson College of Business and Economics courses, excluding SECO 221, 222, 291, and 292.*

**SBAD 331. Intermediate Accounting I (3)** Financial accounting theory and practice as they relate to generally accepted accounting principles. Included are external financial reports with emphasis on the balance sheet and the income statement. Prerequisites: 54 credit hours earned and SBAD 226.

**SBAD 332. Intermediate Accounting II (3)** Expands upon the financial accounting concepts and principles developed in Intermediate Accounting I. Key concepts include current liabilities, bonds, earnings per share, pensions, leases, and stockholders' equity. Prerequisites: 54 credit hours earned and SBAD 331 with a minimum grade of C.

**SBAD 333. Cost Accounting (3)** Cost accounting for production management. Cost systems for internal control, standard cost, inventory planning and control, capital budgeting; relationship between cost accounting and other quantitative areas; and other current cost topics are included. Prerequisites: 54 credit hours earned and SBAD 226.

**SBAD 335. Individual Tax Planning (3)** Federal income tax law as it relates to planning individual transactions to minimize income taxes. Includes preparation of individual tax returns. Prerequisites: 54 credit hours earned and SBAD 226.

**SBAD 336. Fund Accounting (3)** Principles and procedures of accounting for the various funds of governmental and institutional organizations and budgetary accounting for planning and controlling revenues and expenditures. Prerequisites: 54 credit hours earned and SBAD 225.

**SBAD 347. Legal Environment of Business (3)** Legal system; crimes and torts; consumer law, anti-trust, labor and employment law; environment and insurance; contracts and agency; business ethics; and international matters. Prerequisite: 54 credit hours earned.

**SBAD 348. Issues in Commercial Law (3)** Corporations, bankruptcy, and the Uniform Commercial Code. Prerequisites: 54 credit hours earned and SBAD 347.



**SBAD 350. Principles of Marketing (3)** Exchange relationships between buyers and sellers in a dynamic global marketplace. Focus areas include: environmental analysis, marketing research, buyer behavior, marketing strategy, business ethics, and the societal impacts of marketing activity of integrated marketing organizations. Prerequisite: 54 credit hours earned.

**SBAD 351. Consumer Behavior (3)** Consumer decision-making processes in a dynamic global marketplace. Selected concepts from psychology, sociology, economics, anthropology, and other behavioral disciplines are examined to develop a managerial perspective on predicting and interpreting consumer responses to marketing strategies. Prerequisites: 54 credit hours earned and SBAD 350.

**SBAD 352. Marketing Communications (3)** Selection and implementation of promotional strategies in a dynamic global marketplace. Focus areas include: integrated marketing communication processes, psychological, sociological and cultural factors influencing promotion decision making. Prerequisites: 54 credit hours earned and SBAD 350.

**SBAD 363. Business Finance (3)** Procurement and management of wealth by privately owned profit-seeking enterprises. Prerequisites: 54 credit hours earned, SBAD 225 and SECO 291.

**SBAD 364. Financial Institutions and Markets (3)** Financial institutions, various debt, equity, foreign exchange and derivative markets and instruments. Topics include security valuation, measures of risk, financial market innovation; the structure and role of commercial banks and other financial institutions, including types of risk financial institutions bear; utilization of financial markets, institutions, and instruments to manage risk. Prerequisite: 54 credit hours earned, and SBAD 363.

**SBAD 365. Principles of Investments (3)** The conceptual and analytical framework for formulating investment policies. An overview of the traditional securities markets for stocks, bonds, options, and non-traditional investment such as financial futures, commodities, and international markets is emphasized. Prerequisite: 54 credit hours earned.

**SBAD 369. Personal Finance (3)** Life insurance, health insurance, wills, trusts, social security, stocks, bonds, real estate, mutual funds, and other uses of funds. Prerequisite: 54 credit hours earned.

**SBAD 371. Organizational Management and Behavior (3)** Survey of functions of management and forms of organizational behavior demonstrated in all types of organizations, with a focus on group and individual dynamics in organizations, quality, competitiveness and the global environment, and a heavy emphasis on managing workforce diversity including ethnic, cultural, and gender diversity. Prerequisite: 54 credit hours earned.

**SBAD 372. Operations Management (3)** Managing the direct resources required by the firm to create value through

the production of goods, services and information. There is a strong emphasis on supporting the decision-making process throughout organizations with quantitative tools and techniques. Topics include process selection, quality tools, inventory management techniques and supply chain management. Prerequisites: 54 credit hours earned, SECO 291 and SMTH 121 or equivalent.

**SBAD 374. Management of Human Resources (3)** A line and staff function utilizing modern-day concepts and practices. Topics include: employment, training, employee services, compensation, industrial relations, and legal constraints. Prerequisite: 54 credit hours earned.

**SBAD 377. Advanced Organizational Behavior (3)** The study of the impact of individuals, groups and structure on behavior in a business organization in order to improve organizational performance. Prerequisites: 54 credit hours earned, and SBAD 371.

**SBAD 378. The International Business Enterprise (3)** The multinational firm: its development, organization, management, differentiation from domestically oriented firms, and its future. Prerequisites: 54 credit hours earned and SBAD 371. A foreign language course is strongly recommended.

**SBAD 390. Business Technology and Information Systems (3)** Development, use and management of business information systems. Topics include information systems for business operations, management information and decision support systems, information systems development, issues and challenges relating to global information systems and technology including security and ethics. Prerequisites: 54 credit hours earned, SBAD 290 or SCSC 300 or SIMS 201.

**SBAD 398. Topics in Metropolitan Business Studies (3)** Intensive study in contemporary areas of business such as corporate responsibility, cultural diversity and ethics. Topics are selected to meet current industry, faculty and student interest. Experiential learning is emphasized. May be repeated with permission of advisor. Prerequisite: 54 credit hours earned and SBAD 371.

**SBAD 399. Independent Study (1-6)** Prerequisite: 54 credit hours earned.

**SBAD 432. Advanced Federal Income Tax (3)** Estates and trusts, partnerships, corporations, foreign income, gift, and social security taxes. Prerequisite: SBAD 335.

**SBAD 433. Accounting Control Systems (3)** Skills, tools and procedures needed to evaluate EDP controls. Program, system and business level controls are presented to show how the accounting, ethical and legal considerations should be integrated into the design of business accounting and auditing systems. Prerequisites: (SBAD 331 or SBAD 333) and (SBAD 290 or SIMS 201).

**SBAD 435. Auditing (3)** Effectiveness of internal control systems, ethics, legal liability, the auditing of information

processing systems, the audit application of statistical sampling, and the reporting function of the independent auditor are examined. Prerequisites: SECO 292, SBAD 332; Prerequisite or Corequisite: SBAD 433.

**SBAD 437. Advanced Accounting (3)** Accounting for business combinations, consolidated financial statements, governmental entities, and not-for-profit organizations. Prerequisites: SBAD 332.

**SBAD 452. International Marketing (3)** Selection of markets and the development of marketing strategy in a dynamic global marketplace. The influences of different demographic, political, legal, cultural, competitive economic, technological, and natural environments are highlighted in order to conduct business across political borders. Prerequisites: SBAD 350.

**SBAD 456. Business Marketing (3)** Industrial, governmental, and non-for-profit sector markets as distinguished from personal household consumption. The methods used by marketers to create marketing strategies throughout an integrated supply-chain in a dynamic global marketplace. Prerequisites: SBAD 350.

**SBAD 457. Marketing Research (3)** Research methods and procedures used in the marketing process. Particular emphasis is given to the sources of market data, sampling, preparation of questionnaires, collection and interpretation of data and the relation of market research to the policies and functions of the business enterprise. Emphasis is placed upon differences in life-style, beliefs and attitudes, and their influences upon the marketing decisions of the firm. Prerequisites: SBAD 350 and SECO 291 or equivalent.

**SBAD 458. Marketing Management (3)** Strategic marketing decision-making in integrated organizations competing in the dynamic global marketplace. Focus areas include: the policy areas of an organization, marketing research, marketing strategy, buyer behavior, forecasting, cost and profit analysis, and total quality management. Prerequisite: 54 credit hours earned and SBAD 350, 351 and 352.

**SBAD 459. Personal Selling and Sales Management (3)** Development of personal selling skills and management of sales function. Focus areas include: preparation, prospecting, interviewing, trial closes, handling objections, closing after-sales support, recruitment, selection, motivation, training, and development, compensation, supervision, and other managerial topics. Prerequisites: SBAD 350.

**SBAD 461. International Business Finance (3)** Financial management of a multinational business enterprise. Topics include subsidiary working capital management, financial analysis of overseas ventures, sources of international capital, funds remittance policies, trade finance, exchange risk management policies, and techniques of financial control. Prerequisite: SBAD 363.

**SBAD 471. New Business Enterprise (3)** Analysis of business opportunities; planning and establishing a busi-

ness organization to exploit an opportunity; management of a small business. Prerequisite: SBAD 371.

**SBAD 475. Advanced Operations Management (3)** Theory and application of contemporary methods of managing operations. Topics may include forecasting, master planning, advanced supply chain management, project management, facility location factors, and competitive strategies in a global market. Prerequisite: SBAD 372.

**SBAD 476. Statistical Process Control (3)** Basic statistical process control and process capability improvement procedures in the framework of the Deming management philosophy. Prerequisites: 54 credit hours earned, SECO 292 or equivalent.

**SBAD 478. Business Policy (3)** Multifunctional approach to the study of organizational problems and opportunities. Knowledge gained in previous courses is applied to the functions of an organization through use of strategies, objectives, policies, technology, environment, systems, ethics, and decision making. Requirements include individual research accompanied by written and oral presentations. Prerequisites: Senior standing and all SBAD and SECO core courses.

**SBAD 499. Business Internship (1-6)** Supervised work experience in the business environment resulting in a meaningful product for the employing firm and a scholarly project for the student. A minimum of 42 hours of scheduled work per one hour of academic credit, periodic class meetings, and individual consultation with the instructor is required. A contractual agreement signed by the employer, the student, the instructor, and the dean is mandatory. Prerequisite: 54 credit hours earned—A student must have earned a minimum of 36 credit hours in business and economics courses and have an overall GPA of 2.5 or higher or a 2.5 GPA on twelve or more hours for the previous semester. Pass/fail credit.

## Chemistry (SCHM)

*Note: Occupational Safety and Health Administration (OSHA) regulations require that everyone who enters chemistry laboratories wear safety goggles.*

**SCHM 101. Fundamental Chemistry I (4)** Survey of inorganic and solution chemistry. Non-science majors only. Three class, one recitation, and two laboratory hours per week.

**SCHM 102. Fundamental Chemistry II (4)** Survey of organic and biochemistry. Non-science majors only. Three class, one recitation, and two laboratory hours per week. Prerequisite: SCHM 101 or 111.

**SCHM 105, 106. Chemistry and Society I and II (3,3)** Survey of chemistry and its impact on technology, the environment, modern life, and thought. Need not be taken in sequence. Non-science majors only. (SCHM 107 laboratory is available for additional credit.)

**SCHM 107L. Chemistry and Society Laboratory (1)** Three laboratory hours per week. Prerequisite or corequisite: SCHM 105 or 106. (Credit may be earned only once.)

**SCHM 109. Chemistry of Living Things (4)** Chemical principles of including the structure of and energy associated with matter; quantitative kinetic and equilibrium analysis of chemical and physical processes. The structure and function of biological macromolecules and the molecular basis of inheritance are surveyed. Non-science majors only. Three lecture, one recitation, and two laboratory hours per week. Prerequisite: SMTH 120 or higher, except statistics, or higher placement in SMTH. Prerequisite or corequisite: SCSC 138 or consent of instructor.

**SCHM 111. General Chemistry (4)** Chemical principles with emphasis on stoichiometry, atomic structure, bonding, and molecular structure. Three class, one recitation, and two laboratory hours per week. Prerequisite or corequisite: SMTH 121 or higher, except statistics or consent of instructor.

**SCHM 112. General Chemistry and Qualitative Analysis (4)** Chemical equilibrium, acids and bases, oxidation-reduction, and inorganic qualitative analysis. Three class, one recitation, and three laboratory hours per week. Prerequisites: SCHM 111.

**SCHM 321. Quantitative Analysis (3)** Principles of gravimetric, volumetric, and basic instrumental methods of analysis. Three class hours per week. Prerequisite: SCHM 112.

**SCHM 321L. Quantitative Analysis Laboratory (1)** Practice of volumetric, gravimetric, and simple instrumental methods of analysis. Three laboratory hours per week. Corequisite: SCHM 321.

**SCHM 331, 332. Organic Chemistry (3,3)** Nomenclature, reactions, and syntheses of carbon compounds with emphasis on reaction mechanisms. Three class hours and one recitation hour per week. Prerequisite for 331: SCHM 112 or consent of instructor. Prerequisite or corequisite for 332: SCHM 331.

**SCHM 331L, 332L. Organic Chemistry Laboratory (1,1)** A survey of laboratory methods of organic chemistry. Three laboratory hours per week. Prerequisite or corequisite for 331L: SCHM 331. Prerequisites for 332L: SCHM 331L and SCHM 332 or concurrent enrollment in SCHM 332.

**SCHM 395. Internship in Chemistry (1-3)** Supervised work experience in chemistry. A minimum of three hours per week is required for each credit hour. A required contractual agreement is signed by the supervisor, the student, the instructor, and division chair. Prerequisite: junior or senior standing. Pass/fail credit.

**SCHM 397. Junior Seminar (1)** Searching and reading chemical literature and presentation of papers in a journal club format. Class meets with the chemistry Senior Seminar (SCHM 599) and presentations by SCHM 599

students will be observed. Prerequisite: SCHM 331, 331L. Corequisite: SCHM 321, 332, 332L.

**SCHM 499. Undergraduate Research (1-3)** Directed research project introducing the student to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Research involves laboratory and/or library work as determined by the instructor. The student can sign up for 1-3 hours of research each semester with a maximum of 9 hours total credits for undergraduate research. (Not for major credit). Prerequisite: consent of instructor.

**SCHM 511. Inorganic Chemistry (3)** Atomic structure, molecular orbital theory, coordination, compounds, redox chemistry, crystal structures, and a systematic study of the periodic table. Prerequisites: SCHM 321 and SCHM 331.

**SCHM 512L. Inorganic Chemistry Laboratory (1)** Syntheses with high pressure reactions, the use of unfamiliar solvents, high temperature and inert atmosphere, and the application of infrared, ultraviolet, nuclear magnetic resonance, and mass spectroscopy to inorganic chemistry. Three laboratory hours per week. Prerequisite: SCHM 331L. Prerequisite or corequisite: SCHM 511.

**SCHM 522. Instrumental Methods of Analysis (4)** Theory, instrumentation, and applications of modern instrumental techniques. Three class and three laboratory hours per week. Prerequisite: SCHM 321.

**SCHM 530. Spectrometric Identification of Organic Compounds (3)** Development and application of methods of obtaining and interpreting spectrometric data in terms of structural organic chemistry. Topics include infrared, ultraviolet, visible, and nuclear magnetic resonance spectroscopy. Prerequisite: SCHM 332 or consent of instructor.

**SCHM 534. Polymer Chemistry (3)** Fundamentals of macromolecular science with an emphasis on synthesis and characterization. Prerequisite: SCHM 332.

**SCHM 541. Physical Chemistry I (3)** Macroscopic systems including thermodynamics and chemical equilibrium. Prerequisites: SCHM 321, SMTH 241 and SPS 202. Co-registration in SPS 212 is an alternative to having completed SPS 202.

**SCHM 541L. Physical Chemistry I Laboratory (1)** Applications of physical chemical techniques to thermodynamics, chemical equilibrium and chemical kinetics. Three laboratory hours per week. Prerequisite: SCHM 321L. Corequisite: SCHM 541.

**SCHM 542. Physical Chemistry II (3)** Microscopic systems including quantum theory and its applications to electronic structure and spectroscopy. Prerequisite: SCHM 541.

**SCHM 542L. Physical Chemistry II Laboratory (1)** Applications of physical chemical techniques to quantum me-

chanics and spectroscopy. Three laboratory hours per week. Prerequisite: SCHM 541L. Corequisite: SCHM 542.

**SCHM 581. Biochemistry I (3) (=SBIO 581)** Structure and function of the major classes of biological compounds and biological membranes. Content includes a kinetic and equilibrium based approach to biological transport and catalysis, signaling, and an introduction to bioenergetics. Prerequisite: SCHM 332 or consent of instructor.

**SCHM 582. Biochemistry II (3) (=SBIO 582)** Chemistry of biological information pathways. DNA, RNA, and protein metabolism, organization of genes on chromosomes, regulation of gene expression, and applications of these topics to biotechnology problems are covered. Prerequisite: SBIO 541/SCHM 581 or consent of instructor.

**SCHM 583L. Biochemistry Laboratory (1) (=SBIO 583L)** A survey of laboratory methods in biochemistry. Three laboratory hours per week. Prerequisite or corequisite: SCHM 581 or 582.

**SCHM 599. Senior Seminar (3)** Integration and assessment of chemical knowledge at an advanced level, exploration of ethical issues, research, and oral presentation. Prerequisites: SSPH 201, SCHM 321, SCHM 332, SCHM 541 and one course from SCHM 511, 522, 530, 534, 581, 582.

### Chinese (SCHI)

**SCHI 101. Introductory Chinese I (3)** Fundamentals of the Mandarin Chinese language and culture through speaking, listening, reading and writing.

**SCHI 102. Introductory Chinese II (3)** Fundamentals of the Mandarin Chinese language and culture through speaking, listening, reading and writing. Prerequisite: SCHI 101.

### Communication (SCOM)

**SCOM 375. Communication Research Methods (3)** Fundamentals of communications research methods and applications. Topics include survey research, observational and experimental studies, primary research data-gathering techniques, secondary research sources, data analysis, message, market, competitive and audience research measures. Prerequisites: SJOU 301 and SSPH 301; or consent of the instructor.

**SCOM 399. Internship or Independent Study in Mass Communication (1-3)** Supervised professional experience of research outside of the classroom. For three internship credit hours, a student is to work 135 hours with an approved agency; for two credit hours, 90 hours, for one credit, 45 hours. For an internship or for an independent study, a contract must be signed by the student and by the instructor of record and other designated faculty and administrators. A student may repeat SCOM 399 once with a difference internship or independent study contract

description for a total of no more than six hours of undergraduate credit. Prerequisites: SJOU 301, GPA 2.0 overall, 2.5 in major and consent of faculty supervisor.

**SCOM 490. Senior Seminar in Communications (3)** Reading and research on selected topics in journalism, speech, and theatre designed to integrate knowledge, to explore ethical issues, and to gain experience in research and oral presentation. Prerequisite: SCOM 375.

### Computer Science (SCSC)

**SCSC 138. Introduction to Computer Technology (3)** Introduction to graphical user interface, word processing, spreadsheet, database, Internet, cross-platform training, computer components and peripherals, input/output concepts, storage concepts, and computer buyer's guide considerations.

**SCSC 139. Visual BASIC Programming I (3)** Visual user interface design, event-driven programming using controls, variables, constants, calculations, decision structures, loop control structures, arrays, creating menus. Prerequisites: SCSC 138 or SBAD 290 or consent of instructor. **Not** for Computer Science major credit.

**SCSC 150. Introduction to Computer Science (3)** Current application, security and systems software, hardware devices, social and ethical issues in computing and information technology, propositional logic, search engines, and computer programming concepts. Basic problem solving, logic, and computer programming are introduced through an active learning environment. Prerequisite or Corequisite: SMTH 126 or consent of instructor.

**SCSC 200. Computer Science I (3)** Design, analysis and testing of algorithms and classes, including programming from an Object-Oriented perspective, simple data types, control structures, arrays, file I/O, and complexity analysis. Prerequisite: C or better in SCSC 150 or consent of instructor.

**SCSC 210. Computer Organization (3)** Computer organization, logic gates and expressions, circuits, CPU, memory, numbering systems, assembly language programming, instruction formats, and addressing modes. Prerequisite: C or better in SCSC 200 or consent of instructor.

**SCSC 234. Visual BASIC Programming (3)** Basic and advanced programming in the **Visual BASIC language including visual object** design, active-X objects, access to database objects, dynamic data exchange, and object linking and embedding. Prerequisite: C or better in SCSC 200 or consent of instructor.

**SCSC 238. C++ Programming (3)** Introduction to C++ as a second object-oriented language with concepts of OO programming, data abstraction, polymorphism, inheritance, graphical user interface design with MFC, and memory management issues. Prerequisite: C or better in SCSC 200 or consent of instructor.

**SCSC 239. Visual BASIC Programming II for Non-Majors (3)** Modular programming, algorithmic design, string manipulation, array processing, sequential and random file processing in the BASIC language. **Not** for Computer Science major credit. Prerequisites: SCSC 139 or consent of instructor.

**SCSC 300. Computer Science II (3)** Advanced design, analysis and testing of algorithms and classes, including inheritance, polymorphism, UML, complexity analysis, recursion, search and sorting techniques, linked lists, stacks and queues. Prerequisite: C or better in SCSC 200 or consent of instructor. Corequisite: SMTH 174 or consent of instructor.

**SCSC 310. Introduction to Computer Architecture (3)** Computer organization and architecture, basic processor design, hard wired and microprogrammed control, ALU, memory organization, data paths, pipelining, and interfacing and communications. Prerequisite: C or better in SCSC 210 or consent of instructor.

**SCSC 311. Information Systems Hardware and Software (3)** An introduction to computer and systems architecture and operating systems for system development personnel. Topics include CPU architecture, instructions sets, memory, registers, input/output, and operating system modules such as process management, memory and file management. Prerequisite: C or better in SCSC 200 or consent of instructor.

**SCSC 314. Introduction to Robotics (3)** Fundamental concepts of industrial robotics including kinematics, 3D coordinate transformation, robot motion, robot control and sensing, robot programming, and computer vision. A review of new technologies for computer-integrated manufacturing, computer-aided design and computer-aided manufacturing, automated material handling, and flexible manufacturing systems is included. Students are required to write programs in order to demonstrate the laboratory projects. Prerequisites: C or better in SCSC 200 and SMTH 127, or consent of instructor.

**SCSC 315. Networking Technology (3)** Basic concepts of computer networks, data telecommunication and distributed applications, including network topology, hardware, software, protocol, security, and the implications of network technologies on the deployment and implementation of networked systems. **Not** for CS or CIS major credit. Prerequisites: SCSC 300 or SIMS 305 or consent of instructor.

**SCSC 321. Computer Science III (3)** Design, analysis and testing of advanced data structures, including priority queues, trees, binary search trees, tree traversals and balancing techniques, hashing, and graph theory. Prerequisites: C or better in both SCSC 300 and SMTH 174 or consent of instructor.

**SCSC 325. Fundamentals of Relational Database Management Systems (3)** Basic architecture, structures, and query languages. Topics include design and imple-

mentation of RDBMS, relational data models, conceptual modeling, data independence, specification of data requirements, normalization, recovery and security. **Not** for CS or CIS major credit. Prerequisites: SCSC 300 or SIMS 305 or consent of instructor.

**SCSC 355. Digital Forensics (3)** Methods, tools and techniques used to maximize efficiency in investigations that involve digital devices, including malicious code analysis, techniques of evaluation of the physical memory of a compromised machine, digital forensics tools, challenges of anti-forensics phenomena, and use and management of storage area network technology for evidence storage. Prerequisites: C or better in SCSC 300 and SCSC 311; or consent of instructor.

**SCSC 356. Cryptography (3)** Historical and modern techniques of encryption and decryption, classical cryptosystems, public-key cryptosystems, authentication, anonymity, zero-knowledge protocols, smart cards and other everyday applications of cryptographic algorithms, prime numbers, elementary number theory and algorithms that support efficient arithmetic on large integers. Prerequisite: C or better in SCSC 300 or consent of instructor.

**SCSC 370. Fundamentals of Bioinformatics (3).** Computational methods, tools and techniques used to analyze, correlate, and extract information from biological, chemical and biomedical databases, including algorithms for sequence comparison, data mining for disease diagnosis, prediction of protein structure and function, and database management for biomedical data. Prerequisite: C or better in SCSC 321 or consent of instructor.

**SCSC 399. Independent Study (1-9) As needed.**

**SCSC 412. Computer Networks I (3)** Introduce the basic concepts needed to design, implement, and manage networks. Transmission media, topologies, local area and wide area network technologies, communication protocols, standards, network architectures, security, and network operating systems are examined. Prerequisite: C or better in SCSC 300, or consent of instructor.

**SCSC 421. Design and Analysis of Algorithms (3)** Concepts and fundamental strategies of algorithm design; the analysis of computing time and memory requirements; the theory of computational complexity (NP-hard and NP-complete); graph manipulation algorithms (connected components, minimum spanning trees, traveling salesman, cycles in a graph, and coloring of graphs); search algorithms (depth-first, breadth-first, best-first, and alpha-beta minimax); and computational algorithms (matrix multiplication, systems of linear equations, expression evaluation, and sorting). Prerequisite: C or better in SCSC 321 or consent of instructor.

**SCSC 440. Object Oriented Systems Analysis and Design (3)** Analysis and design of information systems using object oriented methodologies. Emphasis is on effective communication and integration with users and user systems, interpersonal skill development with clients,

users, team members, and others associated with development, operation, and maintenance of the system, use of modeling tools, and adherence to methodological life-cycle and project management standards. Prerequisite: C or better in SCSC 300 or consent of instructor.

**SCSC 441. Experiential Learning in Computer Science**

**(3)** Experience in a business, educational, or non-profit computing environment. May not be used for major credit in any major in computer science. Prerequisite: approval of the instructor. Pass/fail credit.

**SCSC 450. E-Business Web Application Development**

**(3)** A project-oriented course involving the complete application development of an online commercial Web site. Basic Web page design, including HTML and Style Sheets is covered, but the focus is on what happens behind the scenes of a business Web site, including client versus server-side information processing, CGI and Event-Driven programming, data transmission, storage and compressions, risk analysis, and security issues. Prerequisite: C or better in SCSC 300 or consent of instructor.

**SCSC 455. Computer Security (3)**

A survey of the fundamentals of information security, including risks and vulnerabilities, policy formation, controls and protection methods, database security, encryption, authentication technologies, host-based and network-based security issues, personnel and physical security issues, issues of law and privacy. Prerequisite: C or better in SCSC 300 or consent of instructor.

**SCSC 499. Directed Research (3)**

An investigation of technical papers from the instructor's area of research. The composition and presentation of technical papers that either survey the existing literature or make an original contribution to the research area is required. Prerequisites: C or better in SCSC 300 or consent of instructor.

**SCSC 509. Topics in Computer Science (3)**

Selected topics of special interest in computer science. May be repeated for credit. Prerequisite: consent of instructor.

**SCSC 511. Operating Systems (3)**

Introduces the fundamentals of operating systems design and implementation, including an overview of the components of an operating system, mutual exclusion and synchronization, I/O, interrupts, implementation of processes, scheduling algorithms, memory management, and file systems. Prerequisites: C or better in SCSC 210 and SCSC 321 or consent of instructor.

**SCSC 512. Computer Networks II (3)**

Advanced topics in telecommunications, location positioning systems and computer networking, including wireless and mobile computing, integration of wireless and wired networks, design issues, packet transmission, datagram encapsulation and fragmentation, media access control, data transmission and retransmission, routing, bridging, switching, addressing error handling, flow control, data security, and local and wide-area networks. Prerequisites: C or better in SCSC 412 or consent of instructor.

**SCSC 515. Wireless Networks (3)** Fundamental concepts and techniques employed in wireless and mobile networks such as cellular networks, wireless LANs, and ad-hoc networks. Topics include wireless communication basics, access technologies, medium access control, naming and addressing, routing, mobility support and management, security, and power management. Prerequisite: C or better in SCSC 412 or consent of instructor.

**SCSC 516. Distributed and Network Programming**

**(3)** Design and implementation of distributed application and network communication programs, including network application development with UCP and TCP/IP protocols, introduction to distributed systems and computing, RIM, socket programming, client/server models, and communication primitives, such as datagrams, packet retransmission, routing, addressing, error handling, and flow control. Prerequisite: C or better in SCSC 321 or consent of the instructor.

**SCSC 520. Database System Design (3)**

Database Management System (DBMS) architecture and organization, design and implementation of DBMS, data models, internal databases structures, conceptual modeling, data independence, data definition language, data manipulation language, normalization, transaction processing, recovery, and security. Prerequisite: C or better in SCSC 300 or consent of instructor.

**SCSC 521. Database Implementation, Application, and Administration (3)**

Design and implementation of database and client/server applications, in-depth treatments of embedded queries and stored procedures, database triggers, database extended languages, architectures and design patterns of distributed application, transaction processing, performance tuning, recovery and backups, auditing, and security. Prerequisite: C or better in SCSC 520 or consent of instructor.

**SCSC 525. Knowledge Discovery and Data Mining**

**(3)** Extraction and discovery of knowledge from large databases, data integration and data warehousing, data mining algorithms, models, and applications including association rule mining information retrieve (IR) and mining of text databases, decision tree, decision rules, classification techniques, cluster analysis, and evaluation, visualization, and interpretation of patterns. Prerequisite: C or better in SCSC 300 or consent of instructor.

**SCSC 530. Programming Language Structures (3)**

Paradigms and fundamental concepts of programming languages, such as scope, binding, abstraction, encapsulation, typing, and language syntax and semantics. Functional and logic programming paradigms are also introduced through sample programming languages. Prerequisites: C or better in SCSC 210 and SCSC 321 or consent of instructor.

**SCSC 540. Software Engineering (3)**

Methods and tools of software engineering, software life cycle, specification and design of software, software testing, cost and effort estimation, project management, risk analysis, and docu-

mentation. A relatively large software system is developed in a team environment. Prerequisite: C or better in SCSC 321 or consent of instructor.

**SCSC 555. Advanced Computer Security and Information Assurance (3)** Cryptography, telecommunication and network security, applications and system development security, Business Continuity Planning (BCP), cyber-crimes and countermeasures. The hands-on laboratories provide extensive practices on firewalls, Virtual Private Networks (VPN), Intrusion Detection Systems (IDS), and other computer security tools. Prerequisite: C or better in SCSC 412 and SCSC 455; or consent of instructor.

**SCSC 560. Numerical Analysis (3) (=SMTH 560)** Difference calculus, direct and interactive techniques for matrix inversion, eigen value problems, numerical solutions of initial value problems in ordinary differential equations, stability, error analysis, and laboratory applications. Prerequisites: SMTH 245 and 344, and programming competency.

**SCSC 580. Introduction to Artificial Intelligence (3)** Intelligent agents, expert systems, heuristic searching, knowledge representation and reasoning, artificial neural networks, ontologies, and natural language processing. Prerequisite: C or better in SCSC 321 or consent of instructor.

**SCSC 585. Introduction to Computer Vision (3)** Processing and analyzing features in still digital images, camera calibration, stereopsis, object recognition, the processing of edges, regions, shading and texture, and introductory video processing techniques. Prerequisites: C or better in SCSC 321 and SMTH 141 or consent of instructor.

**SCSC 599. Computer Science Senior Seminar (3)** Integration of knowledge at an advanced level, a review of recent developments in theoretical and applied computer science, the exploration of ethical issues, along with research and oral presentation. Prerequisites: 12 hours of 300 level or above computer science courses and consent of instructor.

### **Criminal Justice (SCRJ)**

*Note: Criminal Justice 101 or Sociology 101 is a prerequisite to all other criminal justice courses.*

**SCRJ 101. Introduction to Criminal Justice (3)** Survey of the law enforcement, judicial, correctional, and juvenile systems; interrelationships between criminal justice agencies and the community.

**SCRJ 210. Policing in America (3)** Police organizations; the recruitment, training, and socialization of police officers; the role of police in society; and critical issues in policing. The problem of coercive power as it relates to policing is also examined. Prerequisite: SCRJ 101.

**SCRJ 220. The Criminal Courts (3)** The administration of criminal justice in the American federal and state court systems. The nature and concept of justice, court personnel,

functions, jurisdictions, policies, procedures, discretion, and current developments in court technology and organization will be reviewed. Prerequisite: SCRJ 101.

**SCRJ 230. Introduction to Corrections (3)** Penology emphasizing the history, philosophy, programs, policies, and problems associated with correctional practice. Topics include probation, prisons, jails, parole, community corrections and alternative sanctions. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 301. Crime in America (3)** Manifestations of crime, its victims, societal control strategies, correlates, and the collection and use of criminal statistics. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 317. Policing: Theories and Programs (3)** The development of police organizational theories, practices and methods from the turn of the twentieth century to the twenty-first century. Major emphasis is on development and implementation of new programs and application to urban policing. Prerequisite: SCRJ 210.

**SCRJ 321. Criminal Law (3)** Origin and development of criminal law in America along with basic elements of crime and defenses. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 325. Criminal Trial Practice (3)** The criminal trial, including the rules of evidence, trial strategy, opening statements, the presentation of evidence, arguing objections, closing arguments, and a critical analysis of the entire process. Prerequisites: SCRJ 101 or consent of instructor.

**SCRJ 330. Institutional Corrections (3)** Functions, structure, procedures and philosophy of American correctional institutions; constitutional limitations and the impact of law on correctional practices. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 333. Community-Based Corrections (3)** Development and impact of community programs, halfway houses, group homes, work-release, and educational release programs, including the role of the community and citizens in the correctional process. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 343. The Juvenile Justice System (3)** History, philosophy, and evaluation of the juvenile court, juvenile court practices and procedures; the role of the police, correctional alternatives, prevention and intervention strategies in the juvenile justice process. Prerequisite: SCRJ 210, SCRJ 220, SCRJ 230.

**SCRJ 345. Juvenile Delinquency (3) (=SSOC 355)** Social factors in the development, identification and treatments of delinquents and juvenile delinquency in the context of juvenile justice systems. Prerequisite: SSOC 101.

**SCRJ 350. Victimology (3)** Forms of victimization, the role of victims in crimes, their treatment by the criminal justice system, their decisions to report crimes and help

prosecute offenders, victim-offender mediation, and victim compensation. The national crime survey regarding patterns and trends in victimization is introduced. Prerequisite: SCRJ 101.

**SCRJ 361. Criminal Justice Research Methods (3)** Quantitative, qualitative and comparative methods used in criminal justice research, focusing on research design, data collection and analysis, and ethical issues. Prerequisites: SCRJ 210, SCRJ 220 and SCRJ 230.

**SCRJ 371. Theories of Crime (3)** Analysis and critical assessments of traditional and contemporary crime and theories of criminal behavior. Prerequisites: SCRJ 210, SCRJ 220, SCRJ 230 and SSOC 101.

**SCRJ 380. Minorities, Crime, and Criminal Justice (3)** The involvement of minorities in crime and in the criminal justice system: theory, social policy, and effects. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 381. Alcohol, Drugs, and Public Policy (3)** History and theories of alcohol and other drug use, types and effects of drugs, crime associated with drugs, prevention and treatment of abuse, and efforts to control and regulate drug use. Both past and present public policies for the control of licit and illicit drugs will be evaluated. Prerequisite: SCRJ 101, SPSY 101 or SSOC 101.

**SCRJ 382. Women and Crime (3)** The traditional and contemporary explanations of female delinquency and criminality, the differential treatment accorded female defendants and victims, the nature of crime against women, the quality of state and federal correctional systems for women, and the status of females as criminal justice professionals. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 383. Comparative Criminal Justice Systems (3)** International criminal justice systems, their legal foundations, current structures, and strategies of crime control. Prerequisite: SCRJ 101.

**SCRJ 391. Criminal Justice Field Study (3)** History, jurisdiction, and departmental interaction between various law enforcement, correctional, legislative, and judicial agencies, involving travel to a major metropolitan city. Course may be taken twice if the city is different.

**SCRJ 399. Independent Study (3)** A planned individual study program in conjunction with a Criminal Justice faculty member. Course may be repeated once with the consent of the advisor. Prerequisite: SCRJ 101 or consent of instructor.

**SCRJ 401. Criminal Justice Management and Organization (3)** Problems, processes, and theories of communication, decision making, and control in criminal justice agencies. Prerequisite: SCRJ 101 or SSOC 101.

**SCRJ 402. Civil Liability in Criminal Justice (3)** Liability of criminal justice practitioners, agencies, municipalities, and other criminal justice entities including

types of actions, defenses, damages, injunctions and other remedies for civil wrongs as mandated by state and federal law are included. Prerequisites: SCRJ 210, SCRJ 220, SCRJ 230.

**SCRJ 420. Criminal Procedure (3)** Police investigation through the adversarial system and sentencing. Prerequisite: SCRJ 101.

**SCRJ 474. Social Deviance (3) (=SSOC 351)** Theories, methods, and substantive issues in the creation, involvement, recognition, and control of deviance. Sociological theories and pertinent research data are integrated in the context of contemporary societal issues. Prerequisite: SSOC 101.

**SCRJ 484. Selected Current Topics (3)** A seminar for advanced students. May be repeated once with the consent of the adviser. Prerequisites: SCRJ 210, SCRJ 220, and SCRJ 230; or consent of instructor.

**SCRJ 490. Criminal Justice Internship (3-6)** A planned program of observation, study and work in selected criminal justice and related agencies. The purpose is to broaden the educational experience of seniors by giving them an opportunity to work with practitioners in the field. Prerequisites: SCRJ 210, SCRJ 220 and SCRJ 230; minimum of 75 hours with at least 15 of these hours from USC Upstate, minimum GPA of 2.25 and consent of instructor.

**SCRJ 501. Senior Seminar (3)** Exploration, at an advanced level, of issues, topics and dilemmas related to crime and the criminal justice system. The specific topics covered vary depending upon the instructor. Prerequisites: One statistics course, SCRJ 210, SCRJ 220, SCRJ 230, SCRJ 361, SCRJ 371 and SSOC 101.

## **Economics (SECO)**

**SECO 221. Principles of Macroeconomics (3)** Causes and effects of changes in economic aggregates, including gross domestic product, personal income, unemployment, and inflation. The role of economics in contemporary society and the effect of monetary and fiscal policy on the functioning of a free market system are explored. Prerequisite: SMTH 120 or 121 or 126.

**SECO 222. Principles of Microeconomics (3)** Consumer demand, supply, and price in a free-market system. The economics of the firm is presented within the context of different market structures. Prerequisite: SMTH 120 or 121 or 126.

**SECO 291. Probability and Statistics (3)** Concepts of probability, probability distributions, and sampling theory. Prerequisite: SMTH 121.

**SECO 292. Statistical Inference (3)** Methods of statistical inference, including additional topics in hypothesis testing, linear statistical models, and time series analysis. Prerequisite: SMTH 122 and SECO 291.



*Note: Students seeking a degree in business must be admitted to the Professional Program (Upper Division) before enrolling in 300-level and above business administration and economics courses. Students not majoring in business must have 54 credit hours earned to take 300-level and above business administration and economics courses. Additional prerequisites are included in individual course descriptions. Students not majoring in business can enroll in no more than 29 semester hours of Johnson College of Business and Economics courses, excluding SECO 221, 222, 291, and 292.*

**SECO 301. Commercial and Central Banking (3)** History, structure, functions and operations of the American commercial and central banking system. Emphasis is placed on the influence and operations of the Federal Reserve System. Prerequisites: 54 credit hours earned and SECO 221.

**SECO 303. International Economics (3)** Survey of international economic issues and institutions, including trade and protectionism, global and regional trade agreements, trade balances and exchange rates. Prerequisites: 54 credit hours earned, SECO 221 and 222.

**SECO 311. Issues in Economics (3)** Nature and causes of major economic problems facing the nation and its communities and policy alternatives designed to solve them, including the philosophy and methodology of economics in social problem solving. Prerequisites: 54 credit hours earned, SECO 221 and 222.

**SECO 321. Intermediate Microeconomic Theory (3)** The operation of the price system and its role in understanding the behavior of individual economic units, specifically consumers, producers, and suppliers of resources. Prerequisites: 54 credit hours earned and SECO 222.

**SECO 322. Intermediate Macroeconomic Theory (3)** Classical, Keynesian, and post-Keynesian models. These models provide a framework for monetary and fiscal policy prescriptions to economic problems. Prerequisites: 54 credit hours earned and SECO 221.

**SECO 326. Managerial Economics (3)** Application of the economic theory of profits, competition, demand, and costs to the analysis of problems arising in the firm and in decision making. Price policies, forecasting, and investment decisions are among the topics considered. Prerequisites: 54 credit hours earned, SECO 222 and 292 or equivalent.

**SECO 499. Topics in Economics (3)** Selected topics in economics. Topics vary depending on available staff and interests of students. This course may be repeated for credit. Prerequisites: 54 credit hours earned, SECO 221 and 222.

## Education

### Curriculum and Instruction (SEDC)

**SEDC 300. Resources and Technology in Teaching (3)** Proper and effective use of computer technology and audiovisual resources in education, including navigation

of portfolio software, construction of materials, location of resources, and operation of equipment. Prerequisite: SCSC 138 or consent of the instructor.

### Early Childhood Education (SEDE)

**SEDE 398. Topics in Early Childhood Education (1-3)** Prerequisite: junior standing and consent of instructor.

**SEDE 399. Independent Study (3)** Prerequisite: junior standing and consent of instructor.

**SEDE 410. Clinical I in Early Childhood Education (2)** Supervised clinical experience in early childhood settings. Observation and participation in classroom settings is required with a focus on observing children's development and language use, observing types of programs, and assessing management styles and techniques. Seminars and group discussions included. Four laboratory hours per week. Prerequisite: admission to the professional program. Corequisite: SEDE 420, 422, 424, 445 and SEDF 485.

**SEDE 420. The Young Child: Behavior and Development in Early Childhood (3)** Intellectual, physical, social, and emotional development, prenatal through grade four, within ecological context. Critical thinking, creative expression, the parenting role and developmental diagnosis including assessment of development, normal and abnormal, will be addressed. Prerequisites: SEDF 333 or SPSY 302; admission to the professional program or consent of the instructor. Corequisites: SEDE 410, 422, 424, 445 and SEDF 485.

**SEDE 422. Survey of Early Childhood Education (3)** Programs for young children and the historical, social, economic, and philosophical influences on education. Attention is given to learning activities, materials, and equipment for kindergarten and primary grades. The assessment of readiness and maturation and the relationship of various subject areas to the child's development are emphasized. Prerequisite: admission to the professional program. Corequisites: SEDE 410, 420, 424, 445 and SEDF 485.

**SEDE 424. Parent and Family Involvement in Early Childhood Education (3).** Principles, practices, and content of family dynamics including practices for evolving parents in early childhood settings. Corequisites: SEDE 410, 420, 422, 445 and SEDF 485.

**SEDE 440. Clinical II in Early Childhood Education (2)** Supervised clinical experience in early childhood settings. Observation and participation in classroom settings is required with a focus on math, science, reading, social studies and creative arts. Seminars and group discussions included. Four laboratory hours per week required. Prerequisite: admission to the professional program. Corequisites: SEDR 414, SEDE 446, 447, 448 and 449.

**SEDE 445. Language Development and Communicative Skill (3)** The relationship of language development and thinking to teaching the communicative skills to

young children. Included are activities designed to develop oral language facility, writing (handwriting, spelling, functional, and creative writing), listening, and specific techniques dealing with diagnosis of language development. Students participate in a field based experience at a selected school site. Prerequisite: admission to the professional program. Corequisites: SEDR 414, SEDE 410, 420, 422, 424 and SEDF 485.

**SEDE 446. Math for the Young Child (3)** Materials and programs for teaching mathematics and the methods and theories for developing mathematics programs. Competence is gained in the selection, preparation, and presentation of materials. Prerequisite: SMTH 231, SMTH 232, SMTH 233 and admission to the professional program. Corequisites: SEDR 414, SEDE 440, 447, 448 and 449.

**SEDE 447. Social Studies for the Young Child (3)** The selection, appropriate utilization, facilitation of development, and application of social science concepts to social problems and the socialization of children. Prerequisite: admission to the professional program. Corequisites: SEDR 414, SEDE 440, 446, 448 and 449.

**SEDE 448. Science for the Young Child (3)** Materials and programs for teaching science and the methods and theories of developing science programs. Competence is gained in the selection, preparation, and presentation of materials. Prerequisite: admission to the professional program. Corequisite: SEDR 414, SEDE 440, 446, 447 and 449.

**SEDE 449. Creativity and Play (3)** Theories of play and the development of play as central to children's learning. Knowledge and skills in structuring the classroom environment and curriculum experiences which will support and enrich a child's social, creative, and physical development in preprimary and primary school settings will be acquired. Multicultural perspectives and needs of exceptional children addressed. Prerequisite: admission to the professional program. Corequisites: SEDR 414, SEDE 440, 446, 447 and 448.

**SEDE 468. Education of Young Children: An Ecological Approach (3)** An ecological study with emphasis on home-school relations, parent involvement, and community resources. Multicultural perspectives and needs of exceptional children are addressed. Prerequisite: admission to the professional program. Corequisite: SEDE 469.

**SEDE 469. Directed Teaching in Early Childhood Education (12)** A supervised clinical experience, consisting of 14 weeks in an early childhood grades (4K-3) placement in a public school. This experience includes an exploration of legal and ethical issues, research through analysis and evaluation of teaching, and completion of a professional portfolio. Prerequisite: approved application for directed teaching. Corequisite: SEDE 468. Pass/fail credit.

#### **Elementary Education (SEDL)**

**SEDL 398. Topics in Elementary Education (1-3)** Prerequisites: junior standing and consent of instructor.

**SEDL 399. Independent Study (3)** Prerequisites: junior standing and consent of instructor.

**SEDL 441. Elementary School Curriculum and Organization (3)** The entire school program, including grouping, grading, placement, and organization of both the children and the school for optimal learning. Prerequisite: admission to the professional program. Corequisites: SEDF 487, SEDL 447, SEDL 450, SEDL 455, SEDR 442.

**SEDL 446. Teaching Mathematics in the Elementary School (3)** Materials, resources, programs and methods for teaching mathematics in grades 2-6. Included are supervised practicum experiences which promote reflective teaching in elementary school settings. Prerequisites: admission to the professional program and SMTH 231, SMTH 232, SMTH 233, SEDL 441, SEDL 447, SEDF 487, SEDL 450, SEDL 455, SEDR 442. Corequisites: SEDL 448, SEDF 483, SEDL 460, SEDR 443, SEDR 444.

**SEDL 447. Teaching Social Studies in the Elementary School (3)** Materials, resources, programs, and methods for teaching social studies in grades 2-6. Included are supervised practicum experiences which promote reflective teaching in elementary school settings. Prerequisites: admission to the professional program. Corequisites: SEDL 441, SEDF 487, SEDL 450, SEDL 455, SEDR 442.

**SEDL 448. Teaching Science in the Elementary School (3)** Materials, resources, programs, and methods for teaching science in grades 2-6. Included are supervised practicum experiences which promote reflective teaching in elementary school settings. Prerequisites: admission to the professional program, SEDL 441, SEDL 447, SEDF 487, SEDL 450, SEDL 455, SEDR 442. Corequisites: SEDL 460, SEDF 483, SEDR 443, SEDR 444.

**SEDL 450. Fine Arts in the Elementary School Curriculum (3)** Exploring both content and methods for enriching all subject areas in the elementary classroom through the visual arts, drama, dance/movement, and music. Prerequisites: admission to the professional program. Corequisites: SEDL 441, SEDF 487, SEDL 447, SEDL 455, SEDR 442.

**SEDL 455. Clinical I in Elementary Education (2)** Supervised clinical experience in elementary settings. Observation and participation in diverse classroom settings is required with a focus on observation of students and teachers, analysis of classroom organization and management, use of technology to enhance learning, and implementation of lessons. Seminars and group discussions included. Four laboratory hours per week. Prerequisites: admission to the professional program. Corequisites: SEDL 441, SEDF 487, SEDL 447, SEDL 450, SEDR 442.

**SEDL 460. Clinical II in Elementary Education (2)** Supervised clinical experience in elementary settings. Requires assessment of K-12 students with interpretation of assessments, lesson planning based on assessments, implementation of lessons in science, math, and literacy

with attention to reading and writing in the content areas. Reflections on teaching and K-12 student learning explored in group discussions and seminars. Four laboratory hours per week required. Prerequisites: admission to the professional program, SEDL 441, SEDL 447, SEDF 487, SEDL 450, SEDL 455, SEDR 442. Corequisites: SEDL 448, SEDF 483, SEDL 446, SEDR 443, SEDR 444; or candidacy in the Learning Disability Program.

**SEDL 468. Directed Teaching in the Elementary School (15)** A fifteen week supervised clinical experience with 50 percent in grades two or three and 50 percent in grades four, five or six. In additional teaching in a K-12 school classroom, candidates will participate in regular seminars where they will (1) analyze problems relating to their K-12 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

### **Foundations of Education (SEDF)**

**SEDF 210. Foundations of Education (3)** The art and science of teaching. A comprehensive examination of the social, historical, and philosophical influences that have shaped educational policies and practices in the USA with special emphasis on legal and ethical aspects of education. Supervised practicum experiences to promote reflective practice in a variety of settings are included.

**SEDF 333. Educational Development of the Lifelong Learner (3)** Applications of psychology of learning and motivation to patterns of social, emotional, physical and intellectual development, and their relationship to teaching of children, adolescents, and adults.

**SEDF 341. Introduction to Exceptional Learners/Special Education (3)** Theoretical and practical approaches to the education of the young exceptional child with emphasis on current remedial procedures. Included are alternative administrative arrangements and sources of academic therapy. Supervised field experiences are included.

**SEDF 483. Organization and Management of the Diverse Classroom (3)** Structuring of physical, social, and instructional environment to maximize learning in a diverse classroom. Candidates develop a comprehensive understanding of both practice and reactive approaches to management with attention to culturally diverse settings. Behaviorist and constructivist approaches, inclusive education and conflict resolution are components of this course. Prerequisites: Admission to the professional program, SEDL 441, SEDL 447, SEDF 487, SEDL 450, SEDL 455, SEDR 442. Corequisites: SEDL 448, SEDR 444, SEDL 460, SEDL 446, SEDR 443; or candidacy in the Learning Disability Program.

**SEDF 485. Diversity, Management, and Assessment (3)** The dynamic relationships among classroom diversity, management, instruction, and assessment. Through field experiences and reflection, students develop knowledge

and skills in the interaction of these classroom elements. Prerequisite: Admission to the professional program. Corequisites: SEDE 410, 420, 422, and 445 for Early Childhood majors only.

**SEDF 487. Student, Teacher, and School Assessment (3)** Formal and informal assessment of elementary age students as well as teachers and schools. Attention is given to the appropriate uses of standardized testing as well as teacher made assessments with particular emphasis on the interpretation of test results and their relationship to instructional goals. Consideration is also given to the issue of accountability and appropriate options for evaluating teachers and schools. Prerequisite: Admission to the professional program. Corequisites: SEDL 441, SEDL 455, SEDL 447, SEDL 450, SEDR 442.

### **Reading Education (SEDR)**

**SEDR 414. Emergent and Early Literacy (3)** Theoretical and instructional issues relating to challenges children encounter when learning to read and write. Research on the expected development of such behaviors through stages typically found in the preprimary and primary school years are explored. Procedures, materials, programs, and assessment techniques for developing literacy are investigated. Prerequisite: admission to the professional program. Corequisites: SEDE 440, 446, 447, 448, 449.

**SEDR 418. Literacy in the Middle and Secondary School (3)** the significance of literacy as it relates to all content areas. The focus is on strategies for making any text material more accessible to the student, and attention is given to matching the learner and the learning. Prerequisites: SEDS 440, SEDS 441 or SEDS 442 and admission to the professional program. Corequisite: SEDS 450.

**SEDR 442. Literacy I: Learning to Read and Write (3)** Scaffolding reading and writing development for the young child. Teaching candidates review the essentials of language development and focus on the transition from oral language to initial reading and writing. Effective strategies and materials for nurturing literacy development of children ages 5-7 are emphasized. Prerequisites: admission to the professional program and SEGL 484. Corequisites: SEDL 441, SEDL 455, SEDL 447, SEDL 450, SEDF 487; or candidacy in the Learning Disability program.

**SEDR 443. Literacy II: Reading and Writing to Learn (3)** Scaffolding reading and writing development of the elementary and middle grades student. Teaching candidates focus on the transition from initial reading and writing to reading and writing in the content areas. Effective strategies and materials for nurturing literacy development in children ages 8-12 are emphasized. Prerequisites: admission to the professional program, SEDL 441, SEDL 447, SEDF 487, SEDL 450, SEDL 455, SEDR 442. Corequisites: SEDL 448, SEDF 483, SEDL 460, SEDL 446, SEDR 444; or candidacy in the Learning Disability Program and SEDR 442.

**SEDR 444. Literacy III: Addressing Reading and Writing Problems (3)** Scaffolding reading and writing development for learners experiencing difficulty. Teaching candidates investigate assessments, strategies, and programs appropriate for children with literacy problems including learners from diverse backgrounds and children with special needs. Prerequisites: admission to the professional program, SEDL 441, SEDL 447, SEDF 487, SEDL 450, SEDL 455, SEDR 442. Corequisites: SEDL 448, SEDF 483, SEDL 460, SEDL 446, SEDR 443.

## **Secondary Education (SEDS)**

**SEDS 342. Clinical I in Middle Grades/Secondary Education (1)** Supervised clinical experience in middle or secondary school setting. Observation and participation in classroom settings is required with a focus on diversity including the physical, social, and educational development of the grades 5-12 learner. Emphasis is on family and community involvement in educational settings. Observation during advisory, lunch, recess, transition times, as well as formal instructional time as appropriate. Corequisite: SEDF 341.

**SEDS 398. Topics in Secondary Education (1-3)** Prerequisites: junior standing and consent of instructor.

**SEDS 399. Independent Study (3)** Prerequisites: junior standing and consent of instructor.

**SEDS 440. Clinical II in Middle Grades/Secondary Education (1)** Supervised clinical experience in middle or secondary school setting. Observation and participation in classroom settings is required with a focus on assessment including formal, informal, authentic, high stakes (PACT, end-of-course exams, etc.), and collaborative (team meeting) assessments as appropriate. Seminars and group discussions included. Prerequisites: SEDF 341, SEDS 342, and admission to the professional program. Corequisites: SEDS 441 or 442.

**SEDS 441. Middle School Curriculum and Methodology (4)** An overview of the major concepts, principles, theories and research related to effective curriculum, instruction, and assessment to meet the varying abilities and learning styles of middle school students. Students explore a variety of teaching, learning and assessment strategies along with developmentally responsive materials and resources used to facilitate appropriate learning experiences in middle school settings. The focus is on curriculum needs for middle grades, the transitional function of the middle school, and middle school organization and management. Core topics include unit and lesson planning, evaluation of student performance, multicultural educational issues and teacher effectiveness evaluation. Prerequisites: SEDF 341, SEDS 342, and admission to the professional program. Corequisite: SEDS 440.

**SEDS 442. Secondary School Curriculum and Methodology (4)** An overview of the major concepts, principles, theories and research related to effective curriculum, instruction, and assessment to meet the

varying abilities and learning styles of secondary school students. Students explore a variety of teaching, learning and assessment strategies along with developmentally responsive materials and resources used to facilitate appropriate learning experiences in secondary school settings. Curriculum needs for secondary grades, the newly emerging function of the high school in work/post-secondary education preparation, and secondary school organization and management are addressed. Core topics include unit and lesson planning, evaluation of student performance, multicultural educational issues and teacher effectiveness evaluation. Prerequisites: SEDF 341, SEDS 342 and admission to the professional program. Corequisite: SEDS 440.

**SEDS 445. Teaching Middle and Secondary English/Language Arts (3)** Methods, materials, resources, issues and trends related to teaching specific subject content in middle and secondary schools, including instructional planning and delivery of instruction. Supervised practicum experiences are designed to promote reflective teaching in middle and secondary school settings. Prerequisites: SEDS 440, SEDS 441 or SEDS 442 and admission to the professional program. Corequisite: SEDS 450.

**SEDS 446. Teaching Middle and Secondary Mathematics (3)** Methods, materials, resources, issues and trends related to teaching specific subject content in secondary schools, including instructional planning and delivery of instruction. Supervised practicum experiences are designed to promote reflective teaching in middle and secondary school settings. Prerequisites: SEDS 440, SEDS 441 or SEDS 442 and admission to the professional program. Corequisite: SEDS 450.

**SEDS 447. Teaching Middle and Secondary Social Studies (3)** Methods, materials, resources, issues and trends related to teaching specific subject content in middle and secondary schools, including instructional planning and delivery of instruction. Supervised practicum experiences are designed to promote reflective teaching in middle and secondary school settings. Prerequisites: SEDS 440, SEDS 441 or SEDS 442, and admission to the professional program. Corequisite: SEDS 450.

**SEDS 448. Teaching Middle and Secondary Science (3)** Methods, materials, resources, issues and trends related to teaching specific subject content in middle and secondary schools, including instructional planning and delivery of instruction. Supervised practicum experiences are designed to promote reflective teaching in middle and secondary school settings. Prerequisites: SEDS 440, SEDS 441 or SEDS 442 and admission to the professional program. Corequisite: SEDS 450.

**SEDS 449. Teaching Foreign Language in Secondary Schools (3)** Methods, materials, resources, issues and trends related to teaching specific subject content in secondary schools. Also includes instructional planning and delivery of instruction. Supervised practicum experiences designed to promote reflective teaching, in secondary school settings, are included. Prerequisites: SEDS 440,

SEDS 441 or SEDS 442 and admission to the professional program. Corequisite: SEDS 450.

**SEDS 450. Clinical III in Middle Grades/Secondary Education (1)** Supervised clinical experience in middle or secondary school setting. Observation and participation in classroom settings is required with a focus on classroom management and conflict resolution. Seminars and group discussions included. Prerequisites: SEDS 440, SEDS 441 or SEDS 442 and admission to the professional program. Corequisites: SEDR 418 and SEDS 445, 446, 447, 448 or 449.

**SEDS 473. Directed Teaching in Secondary School English (15)** A supervised clinical experience consisting of 14 weeks in secondary school settings. Candidates participate in regular seminars where they (1) analyze problems relating to their grade 9-12 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

**SEDS 474. Directed Teaching in Secondary School Foreign Language (15)** A supervised clinical experience consisting of 14 weeks in secondary school settings. Candidates participate in regular seminars where they (1) analyze problems relating to their grade 9-12 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

**SEDS 475. Directed Teaching in Secondary School History and Social Studies (15)** A supervised clinical experience consisting of 14 weeks in secondary school settings. Candidates participate in regular seminars where they (1) analyze problems relating to their grade 9-12 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

**SEDS 478. Directed Teaching in Secondary School Mathematics (15)** A supervised clinical experience consisting of 14 weeks in secondary school settings. Candidates participate in regular seminars where they (1) analyze problems relating to their grade 9-12 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

**SEDS 480. Directed Teaching in the Middle School (15)** A supervised clinical experience consisting of 14 weeks in secondary school settings. Candidates participate in regular seminars where they (1) analyze problems relating to their grade 5-8 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

**SEDS 481. Directed Teaching in Secondary School Natural Science (15)** A supervised clinical experience consisting of 14 weeks in secondary school settings. Candidates participate in regular seminars where they (1) analyze problems relating to their grade 9-12 experiences; (2) explore ethical and legal issues related to teaching; (3) consider current issues and trends in K-12 education; and (4) complete their professional portfolios. Prerequisite: approved application for directed teaching. Pass/fail credit.

### **Education and Technology (SEDT)**

**SEDT 420. Information Systems in Education (3)** The application of information systems to a variety of educational settings. Topics include policy issues directing the design and implementation of education information systems, particularly data collecting and reporting protocols required for compliance with local, state, and federal mandates. Prerequisites: SEDF 210 SEDF 333, SEDF 341; or consent of instructor.

**SEDT 430. Instructional Design and Methods for Information Systems Training (3)** Design and delivery of training programs for users of information systems and related technologies. Activities include the production of training materials, management of instructional time and selection of appropriate resources. Methods for the assessment and evaluation of the instructional materials and outcomes are an integral part of this course. Prerequisites: SEDF 210, SEDF 333, SEDF 341; or consent of instructor.

**SEDT 497. Information Systems Education Internship (3)** Supervised work experience in a district office and other administrative school sites. Emphasis is on the design, implementation, and service of information systems integral to the sponsoring school and district. The individualized course of study is designed to meet pre-established learning objectives. A "work practice" plan is required and must be approved by the sponsoring organization and the course instructor. Prerequisites: SEDF 210, SEDF 333, SEDF 341; or consent of instructor.

### **Special Education: Learning Disability (SELD)**

**SELD 410. Methods of Teaching Students with LD (3)** Instructional strategies and practice for teaching learners with LD. Prerequisite: admission to professional program. Corequisites: SELD 412; SELD 446.

**SELD 412. Characteristics of Students with LD (3)** Characteristics of students who have learning disabilities which are manifested in instructional settings. Specific characteristics that are factors in developing comprehensive, longitudinal individualized programs as well as guidelines regarding LD referral, assessment and placement procedures will be presented. Prerequisite: admission to the professional program. Corequisite: SELD 410, SELD 446.

**SELD 414. Individualized Curriculum for Students with Disabilities (3)** The various etiologies of conditions affecting students with mild/moderate disabilities.

Cognitive characteristics of learners with mild/moderate disabilities and the impact on language development, academic performance, social skills, and emotional behavior will be included. Prerequisite: SELD 412. Corequisites: SEDC 402; SELD 483; SELD 440.

**SELD 415. Reading Disorders and Reading Methods (3)** Specific methods designed to facilitate the development of reading skills of students with learning disabilities. A practicum experience is required. Prerequisite: SELD 414. Corequisites: SELD 445; SELD 486.

**SELD 440. Practicum in the Instruction of Students with Disabilities (1-3)** Sequencing, implementing, and evaluating individual learning objectives in a professional setting. Students will select, adapt, and use instructional strategies and materials according to characteristics of the learner. Prerequisite: SELD 412. Corequisites: SEDC 400; SELD 414; SELD 483. Students in the Teacher Assistant Program enroll in multiple semesters for a total of three hours; all others enroll in one semester for three credit hours.

**SELD 445. Language Disorders and Language Arts Methods (3)** Learning disability specific methods designed to facilitate the development of language and social skills. A practicum experience is required. Prerequisite: SELD 414. Corequisite: SELD 415; SELD 486.

**SELD 446. Math Disabilities and Math Methods (3)** Learning disability specific methods designed to facilitate the development of mathematics concepts and skills. A practicum experience is required. Prerequisites: SMTH 231, SMTH 232, SMTH 233 and admission to the professional program. Corequisites: SELD 410; SELD 412.

**SELD 449. Issues and Trends in Exceptionalities (3)** The philosophical, historical, and legal foundations of special education that connect with current issues and trends in special education. Prerequisite: admission to professional program. Corequisite: SELD 470.

**SELD 470. Directed Teaching of Students with Learning Disabilities (12)** A supervised clinical experience, consisting of 14 weeks with 50 percent in a special education resource classroom and the remaining 50 percent in an inclusive regular classroom. The experience includes an exploration of ethical issues, research through analysis and evaluation of teaching, and oral presentation of research results. Prerequisite: approved application for directed teaching. Corequisite: SELD 449. For pass/fail credit.

**SELD 483. Assessment of Students with Disabilities (3)** The techniques and practices of diagnostic assessment, including ethical concerns and legal provisions/guidelines. Emphasis is on identifying typical, delayed, and disordered communication and reasoning patterns of individuals with exceptional learning needs. Prerequisite: SELD 412. Corequisites: SEDC 402; SELD 414; SELD 440.

## **English Language and Literature (SEGL)**

*Note: The completion of Composition and Literature (102) or the equivalent is prerequisite to enrollment in all higher level English courses. Only those courses that are numbered above 300 may count toward a major in English.*

*Advanced standing in freshman English classes may be achieved through appropriate scores on Advanced Placement (AP) tests, passing of appropriate College Level Examination Program (CLEP) tests, institutional credit by examination, or the English placement tests administered to all incoming USC Upstate freshmen. Details may be found in appropriate sections of this catalog or in consultation with the chair of the department of languages, literature, and composition.*

*Courses are offered in rotation. If you are interested in a particular course, check with the department chair to see when it will be offered.*

**SEGL 101. Composition I (3)** Instruction and practice in academic writing, critical reading and research. Attention is given to planning, drafting, revising, and editing a variety of texts. For students whose placement testing indicates a need for more intensive study, English 101A with a noncredit lab is mandatory to provide supplemental instruction and practice in writing.

**SEGL 101H. Honors Composition (3)** Thematic studies designed by English faculty specifically for honors students. Its focus may vary depending on the instructor's area of interest. Intensive reading, writing, research, and a service component are included. Prerequisite: Admission to honors program as a first year student or permission of director of honors program. Students who earn an F in SEGL 101 H may not re-enroll in SEGL 101H. Students who pass SEGL 101 H with a D are not eligible to enroll in SEGL 102H.

**SEGL 102. Composition II (3)** Continued instruction in composition, building on skills introduced in English 101. Attention is given to writing for specific audiences, reading and analyzing challenging texts, and synthesizing academic sources in writing. Prerequisite: SEGL 101.

**SEGL 102H. Honors Composition and Literature (3)** Study of works of literature and their social and historical contexts designed by English faculty specifically for honors students. Its focus may vary depending on the instructor's area of interest. Intensive reading, writing, research, and a service component are included. Prerequisites: SEGL 101H with a C or better and admission to honors program or permission of director of honors program. Students who earn an F in SEGL 102H must successfully complete SEGL 102.

**SEGL 208. Introduction to Creative Writing (3)** Beginning writing workshop. Writers gain experience in genres of poetry, fiction, and non-fiction.

**SEGL 245. Professional Writing (3)** Developing communication skills for the successful professional. Students reflect and apply principles of appropriate content, style and format for memos, letters, reports, resumes, interviews and presentations.

**SEGL 250. Selected English Studies Abroad (3-6)** A selection of British writing, together with immersion in British culture.

**SEGL 252. Understanding English Grammar (3)** Intensive review of grammatical principles and mechanics of English with emphasis on exploration and discovery of principles of English grammar usage.

**SEGL 275. Masterpieces of World Literature (3)** Selections from the literature of western and non-western cultures from ancient to modern times.

**SEGL279. Survey of American Literature I (3)** American poetry, drama, and prose from colonial times to 1865.

**SEGL280. Survey of American Literature II (3)** American poetry, drama, and prose from 1866 to the present.

**SEGL 283. Native American Literature (3)** Selected readings by Native American writers, including novels, short stories and poetry. SEGL 283/SEGL 383 will be offered concurrently. The reading and writing assignments for students taking SEGL 383 will be longer and the standard for grading will be more demanding. Students may not enroll for both courses.

**SEGL289. Survey of British Literature I (3)** British poetry, drama, and prose from the Old English Period to 1797.

**SEGL 290. Survey of British Literature II (3)** British poetry, drama, and prose from 1798 to the present.

**SEGL 291. African American Literature (3)** A survey of writings by African American authors. The literary types studied may vary. English 291/391 will be offered concurrently. The reading and writing assignments for students enrolled in SEGL 391 will be longer and the standard for grading will be more demanding. Students may not receive credit for both courses.

**SEGL 300. Introduction to the Study of Literature (3)** Terminology and methods for the study of literature and criticism, involving the scrutiny of primary and secondary text as well as independent research. Required for English majors. Students who wish to major in English should complete this course before enrolling in English courses above 301.

**SEGL 301. Mythical, Classical, and Biblical Backgrounds (3)** Central myths and stories of classical and biblical traditions. Myths, characters, narrative patterns, archetypes, and the ways classical texts have shaped imaginative literature are addressed. Required for English majors. Students who wish to major in English should complete this course before enrolling in English courses above 301.

**SEGL 307. Literature and Nature (3)** Readings in selected literature in which the natural environment is a central issue.

**SEGL308. Intermediate Workshop in Creative Writing (3)** Further experience in writing poetry, fiction, and non-fiction. Prerequisite: SEGL 208 or consent of instructor.

**SEGL 318. Writing and Computers (3)** Research,

analysis, composition and publication with the assistance of computer applications. Prerequisites: SCSC 138 or SEDC 120.

**SEGL 319. Development of the Novel (3)** A critical and historical study of the novel surveying major novels and novelists and illustrating the characteristics of the genre, its historical development, and its reflection of significant literary periods and movements.

**SEGL 320. Development of Short Fiction (3)** A critical and historical study of short fiction surveying the genre and illustrating its characteristics, historical development, and reflection of significant literary periods.

**SEGL 322. Contemporary Literature (3)** Comparative works by contemporary world writers.

**SEGL 325. Modern German Literature in Translation (3)** Masterpieces of German literature. The selection may include texts by T. Mann, Kafka, Brecht, Hesse and Grass. Taught in English. This course may not be used to satisfy a foreign language requirement. Prerequisite: consent of instructor.

**SEGL 329. Development of Poetry (3)** The development of poetry as a genre and art form. Major periods, movements, and poets from Western and world canons illustrate the richness of the poetic tradition.

**SEGL 330. Development of Drama (3)** The development of plays and playwrights. Plays from the classical period are explored, and the development of drama through its major movements to the present time is charted.

**SEGL 345. Advanced Professional Writing (3)** Advanced training in developing communication skills for the workplace. Particular emphasis is placed on conducting primary and secondary research, on proposal and report writing, and on writing as a member of a group. Prerequisite: SEGL 245 or consent of instructor.

**SEGL 346. Technical Writing (3)** The writing of informative text and techniques for presenting it in appropriate formats. Particular emphasis is placed on creating concise texts which use pictures, charts, graphs, and other visuals to convey information to readers in fields such as computer science, engineering, medicine, industrial technology, and other professions.

**SEGL 350. Advanced Selected English Studies Abroad (3-6)** Role of locale in a selection of British writing, together with immersion in British culture.

**SEGL 352. Text Editing (3)** Training in preparing text for publication. Included are an intensive grammar review and the practical application of the principles of grammar, punctuation, and usage to create effective texts.

**SEGL 368. Life Writing and Biography (3)** The writing, reading, and criticism of biography, autobiography, and other nonfictional prose.

**SEGL 369. Gender and Autobiography (3)** Literary works in which an author examines his or her own life as it has been shaped by social and cultural notions of masculinity and femininity.

**SEGL370. Creative Nonfiction (3)** The study and practice of writing reality-based prose influenced by the techniques of the visual narrative of film and the innovative language and style of poetry, fiction, and drama. Strategies for creating works of literary journalism; travel, nature, and science writing; narrative nonfiction; and other sub-genre areas of creative nonfiction are practiced. Prerequisite: SEGL 208 or consent of instructor.

**SEGL 371. Grant Writing (3)** Writing effective expository text for grants and proposals. The skills of writing for a particular purpose and audience; conforming to stated guidelines; and using clear, concise language are emphasized.

**SEGL373. Writing Workshop for Teachers (3)** Application of research informing the teaching of writing. The class is conducted as a writing workshop, and students learn to teach writing by exploring and refining their own composing processes.

**SEGL 383. Native American Literature (3)** Selected readings by Native American writers, including novels, short stories and poetry. SEGL 283/SEGL 383 will be offered concurrently. The reading and writing assignments for students taking SEGL 383 will be longer, and the standard for grading will be more demanding. Students may not enroll for both courses.

**SEGL 389. Gay and Lesbian Literature (3)** Literature by gay and lesbian authors with a major thematic focus on sexual identity.

**SEGL 391. African American Literature (3)** A survey of writings by African American writers. The literary types studied may vary. SEGL 291/391 will be offered concurrently. The reading and writing assignments for students enrolled in SEGL 391 will be longer and the standard for grading will be more demanding. Students may not receive credit for both courses.

**SEGL 395. Narrative Poetry, Epic and Heroic (3)** Selected readings (in translation) from the epic and heroic poetry of the world.

**SEGL 397. Topics in Writing (3)** Intensive experience and practice in writing selected types of poetry or prose.

**SEGL 398. Topics in Language and Literature (3)** Intensive study of selected topics.

**SEGL 399. Independent Study (1-3)** Directed research and reading project outside the classroom of a complex and extensive nature in keeping with the student's major creative and/or scholarly interests. In addition to writing required for a particular independent study project, a written report on work accomplished is required at the end of the term.

Research involves both primary and secondary sources. May be repeated with the consent of the instructor and advisor for total of no more than six hours of undergraduate credit. Prerequisites: Junior or senior standing. GPA 2.0 overall, 2.5 in English courses. A minimum of 6 hours in English courses numbered 300 and above. Consent of the instructor and advisor. A university contract must be signed with all required signatures.

**SEGL400. A Survey of Literature of Medieval England (3)** A representative selection of early literature from the British Isles in English (Old and Middle), Latin, Irish, Welsh, and French during the Middle Ages.

**SEGL 401. Chaucer (3)** Chaucer's works, with special attention to *The Canterbury Tales*.

**SEGL 405. Shakespeare Survey (3)** A selection of comedies, histories, tragedies, and romances. Plays from the early and late periods of Shakespeare's career, including not only his most famous works but also his lesser known plays, are surveyed.

**SEGL406. Studies in Shakespeare (3)** A critical approach to thematic, topical, or theoretical aspects of certain plays, narrative poems, and sonnets. The specific themes and area of focus may vary.

**SEGL 408. Milton (3)** *Paradise Lost* and other poetry. Prerequisite: junior standing or permission of instructor.

**SEGL 409. English Literature, 1500-1660 (3)** Poetry and prose of major Renaissance and Commonwealth writers.

**SEGL411. British Literature, 1660-1740 (3)** Poetry, prose and drama of major Restoration and early 18th century writers.

**SEGL 412. British Literature, 1740-1800 (3)** Poetry, prose and drama of major writers.

**SEGL417. Romanticism (3)** The 18th century transition from classicism to romanticism, and the 19th century masters: Wordsworth, Coleridge, Byron, Shelley and Keats.

**SEGL419. Victorian Literature (3)** Poetry and prose of major Victorian writers.

**SEGL 422. Modern Drama (3)** British, American and continental drama beginning with Ibsen and Strindberg.

**SEGL 423. British Literature, 1900-1950 (3)** Poetry, prose and drama of major writers.

**SEGL 424. British Literature, 1950-to the Present (3)** Poetry, prose and drama of major writers.

**SEGL 425. American Literature, Beginnings to 1830 (3)** Colonial and revolutionary American writing with special attention to literary types and to the influence of religion and politics.



**SEGL 426. American Literature, 1830-1865 (3)** Readings in representative works.

**SEGL 427. American Literature, 1865-1910 (3)** Readings in representative works.

**SEGL 428. American Literature, 1910-1950 (3)** Readings in representative works.

**SEGL 429. Literature of the Harlem Renaissance (3)** Philosophy and literature of the New Negro movement of the 1920s, including works by Hughes, Hurston, Cullen, Fauset and McKay.

**SEGL 430. American Literature, 1950-Present (3)** Readings in representative works.

**SEGL436. Science Fiction Literature (3)** Representative science fiction from the beginnings of the genre to the present.

**SEGL 437. Women Writers (3)** Representative works written by women.

**SEGL 447. Southern Literature (3)** An historical and critical survey of selected works of Simms, Lanier, Cable, Harris, Wolfe, Faulkner, O'Connor, Johnson, Wright, McCullers, and other southern writers.

**SEGL 451. Introduction to Linguistics (3)** An overview of language and linguistics oriented toward language as a reflection of the structure of the human mind and human society. Phonetics, phonology, morphology, syntax and semantics and how they relate to linguistic theory, to issues of language use, to questions of language in the social context, and to issues of language acquisition and language learning are emphasized.

**SEGL 453. Development of the English Language (3)** History and evolution of the English language reflecting changes in phonetics, semantics, morphology, and syntax, as well as assembly of dictionaries.

**SEGL455. Introduction to Sociolinguistics (3)** Introduction to sociolinguistics and the study of language variation in speech communities around the world. Attention is given to the social context of linguistic diversity including dialectology, language and gender, language and ethnicity, pidgins and creoles, new varieties of English, cross-cultural communication, discourse analysis, and applied sociolinguistics.

**SEGL 459. Theories of Composition (3)** The theory and principles of rhetoric and the application of these principles in the student's own thinking and writing.

**SEGL468. Advanced Creative Writing (3)** An intensive course in one genre (poetry, fiction, creative non-fiction, among others) to be announced by the instructor in advance. The genre selected will vary based on the instructor's area of interest and expertise. This course can be taken more than once if the genre is different. Prerequisite: SEGL 308.

**SEGL483. Theory of Literary Criticism (3)** Various theories of literary criticism with the aim of establishing standards of judgment. Practice in criticism of literary works.

**SEGL 484. Children's Literature (3)** Representative works in children's literature appropriate for the elementary school child.

**SEGL 485. Adolescent Literature (3)** A survey of literature written for adolescent readers, especially the realistic problem novel. Special attention is placed on defining the characteristics of the field and on developing critical standards for evaluating the works.

**SEGL490. Senior Seminar (3)** The integration of knowledge; the exploration of ethical issues; and the application of the skills of research, analysis, and writing about literature at an advanced level. Completion of an academic portfolio, self-directed research and writing, and formal oral presentations are required. The specific focus of the course is designed by faculty and may vary depending on the instructor's area of interest and the students' areas of concentration. Prerequisites: Senior standing; SSPH 201; SEGL 295; and 15 hours of SEGL courses numbered 300 or above, including either 459, 482, or 483.

**SEGL 499. Internship (1-3)** Supervised professional experience or research outside of the classroom, involving a meaningful project or activity for the employing firm or organization and a scholarly project for the student. For three credit hours, a minimum of 135 hours of supervised work, periodic class meetings and consultation with the instructor are required. A contractual agreement signed by the employer, the student, the instructor, and the dean of the college is mandatory. A student may repeat SEGL 499 once with a different internship contract description for a total of no more than six hours of undergraduate credit. Prerequisite: Junior or senior standing; a minimum of six hours in major courses numbered 300 and above; GPA 2.0 overall, 2.5 in English courses; and consent of the faculty supervisor and advisor.

### **English as a Second Language (SESL)**

**SESL101. Writing I for Non-native Speakers of English (3)** Developing in improving the writing skills of the non-native English speaker. Confidence in writing abilities is built through a systematic approach to the understanding of writing as a process.

**SESL105. Effective Reading I for Non-native Speakers of English (3)** Developing and improving the reading and vocabulary skills of the non-native English speaker.

### **Engineering Technology Management (SETM)**

**Note:** Admission to the SETM program requires a 2.0 grade point average for all college-level coursework attempted prior to program admission. Admission to the SETM program is a prerequisite for all SETM courses. Students must be within 12 hours of earning an associate degree in an approved engineering technology field to enroll in

300 level SETM courses. Students must hold an associate degree in an approved engineering technology field prior to enrollment in any 400-level SETM courses.

**SETM 320. Engineering Cost Analysis (4)** Engineering economics and financial analysis of prospective alternatives. Lab includes analysis techniques, use of modeling tools, and applications of techniques toward real-world problems. Occasional off-campus laboratory sessions may be required. Three class and three laboratory hours per week. Prerequisites: Admission to ETM program (within 12 hours of Associate degree completion).

**SETM 330. Engineering Work Analysis (4)** Techniques for operation analysis, work measurement, and work sampling. Major topics include human factors, work design principles, work environment, economic justification, work measurement and the design process. Predetermined basic motion-time systems and standard data development are introduced. Occasional off-campus laboratory sessions may be required. Three class and three laboratory hours per week. Prerequisites: Admission to ETM program (within 12 hours of Associate degree completion).

**SETM 370. Systems Decision Making (4)** Systems analysis mathematical models, environmental factors, operations research methodologies, dynamic systems and the application of a variety of computer tools. Three class and three laboratory hours per week. Prerequisites: SETM 320, SECO 291, SMTH 141.

**SETM 410. Engineering Teams Theory and Practice (4)** Methods of understanding, planning, and presenting information in oral and written formats while working in an engineering team setting. Occasional off-campus laboratory sessions may be required. Three class and three laboratory hours per week. Prerequisites: SETM 320, SETM 330.

**SETM 415. Quality Practices (4)** Techniques for controlling quality of work processes and assuring delivered or received product quality. Topics include cost of quality, customer/focused quality, quality diagnostic tools, total quality management, quality assurance and quality standards. Occasional off-campus laboratory sessions may be required. Three class and three laboratory hours per week. Prerequisites: SETM 330 and SECO 291.

**SETM 420. Engineering Project Management (4)** Planning, scheduling, control of engineering projects, and applications of project management tools. Occasional off-campus laboratory sessions may be required. Three class and three laboratory hours per week. Prerequisites: SETM 410 and SETM 415.

**SETM 499. Senior Seminar (3)** Integration of engineering technology management at an advanced level, the impact of engineers on society, and exploration of ethical issues. Written and oral presentation required. Prerequisites: SETM 470, SETM 410, SETM 415. Pre or co-requisite: SETM 420.

## Film Studies (SFLM)

**SFLM 240. Introduction to Film (3)** A survey of the basic elements of cinema including mode of production, narrative structure, stylistic design, camera and marketing. Prerequisite: SEGL 102.

**SFLM 326. Motion Picture and Video Techniques (3)** Production techniques used in preparing film and videotape. Prerequisite: SEGL 102.

**SFLM 341. Literature and Film (3)** Adaptations of novels, short stories and/or plays into cinema. Historical and cultural contexts of production and reception of books and films are emphasized. Prerequisite: SEGL 102.

**SFLM 342. Film Genre (3)** Characteristics of one or more established movie genres such as documentary, film noir, science fiction, new wave cinema, horror, comedy and others. The genre selected may vary based on the instructor's area of interest or expertise. May be repeated for credit if the topic changes. Prerequisite: SEGL 102.

**SFLM 360. Film Directors (3)** Screening and analysis of feature-length films from the works of an individual director or a small group of directors. Analysis involves subject matter, themes, and content as well as technical choices and style, marketing, distribution, and reception of the motion pictures. May be repeated for credit if the topic changes. Prerequisite: SEGL 102.

**SFLM 398. Special Topics in Film (3)** Reading, viewing, and research in a selected film period, style, or other matter of cinema. May be repeated for credit if the topic changes. Prerequisite: SEGL 102.

**SFLM 425. History of Film to 1967 (3)** The motion picture industry from the silent era to 1967. American and foreign films and film clips are analyzed to emphasize chronological, technical, structural, economic, thematic and cultural connections. Prerequisite: English 102.

**SFLM 426. Advanced Video Production (3)** Crew assignments during on-air taping and independent group projects involving pre-production, production, and post-production. "Hands on" experience is augmented by demonstrations, lectures, and readings. This course is held in the WRET studio in the USC Upstate Media Building. Prerequisite: SEGL 102 and SFLM 326 or previous video or photography experience and permission of Chair, Fine Arts and Communication Studies.

**SFLM 435. Film History after 1967 (3)** American and foreign films and film clips are analyzed to emphasize chronological, technical, structural, economic, thematic, and cultural connections. Prerequisite: SEGL 102.

**SFLM 475. International Film (3)** Representative films from countries other than the United States. Major directors, movements, and periods of Africa, Asia, Australia, Central and South America, and Europe are covered. Prerequisite: SEGL 102.

**SFLM 480. Interdisciplinary Approaches to Film (3)** Cinema explored from the perspective of a specific academic area in addition to film studies. May be repeated for credit if the topic changes. Prerequisite: SEGL 102.

**SFLM 481. Cultural Diversity and Difference in Film (3)** The representation of race, gender, ethnicity, class, sexuality, age, or other matter of cultural difference in films. Critical and theoretical readings provide framework to interpret cinema in a variety of genres. May be repeated for credit if the topic changes. Prerequisite: SEGL 102.

**SFLM 482. Film Theory and Criticism (3)** Various methodologies of film interpretation described and applied, including early definitive entries to the field and some or all of the following: auteur, genre, star studies, psychoanalysis, feminism, viewer response, semiotics, narratology, new historicism, and cultural studies. Prerequisites: SEGL 102 and SFLM 240.

### French (SFRN)

*Note: Unless otherwise indicated, readings, lectures and discussion in foreign language courses above the elementary level are principally in the language concerned. Incoming students with previous experience in a foreign language must take a placement test.*

**SFRN 101, 102. Introductory French (3,3)** Fundamentals of the language and culture through speaking, listening, reading and writing. Prerequisite for 102 is SFRN 101 or placement through testing.

**SFRN 201. Intermediate French (3)** Review of the basic principles of the language, with emphasis on reading, writing and oral skills. Prerequisite: SFRN 102 or 121 or placement through testing.

**SFRN 202. Intermediate French (3)** Review of the basic principles of the language, with emphasis on writing, oral skills, and the reading of literary and other authentic texts. Prerequisite: SFRN 201 or placement through testing.

**SFRN 204. French Culture (3)** Major artistic, literary and historical movements from the Middle Ages to modern times that have contributed to the French cultural identity. Taught in English. Prerequisite: SEGL 102 or consent of instructor.

**SFRN 210. French Oral Communication (3)** Enhancement of oral expression through group discussions, oral presentations, and vocabulary development. Prerequisite: SFRN 202 or placement through testing.

**SFRN 250. Selected French Studies Abroad (3-6)** Development of intermediate level communication skills together with immersion in the culture of a foreign country. Prerequisite: SFRN 102 or 121 or consent of instructor.

**SFRN 308. Business French (3)** Fundamental elements of the language and exercises in composition centering on business communication skills. Prerequisite: SFRN 202 or consent of instructor.

**SFRN 309. French Grammar and Composition (3)** Fundamental elements of the language and exercises in composition. Prerequisite: SFRN 202 or consent of instructor.

**SFRN 310. French Conversation (3)** Advanced vocabulary development and acquisition of fluency through aural and oral activities. Prerequisite: SFRN 210 or placement test.

**SFRN 320. French Civilization (3)** Culture and civilization of the French-speaking world, with major emphasis on France. Prerequisite: SFRN 202 or consent of instructor.

**SFRN 330. Survey of French Literature I (3)** A selection of medieval and Renaissance French literature through the sixteenth century. Prerequisite: SFRN 202 or consent of instructor.

**SFRN 331. Survey of French Literature II (3)** A selection of works from the seventeenth century through the present. Prerequisite: SFRN 202 or consent of instructor.

**SFRN 350. Selected French Studies Abroad (3-6)** Development of advanced level communication skills together with immersion in the culture of a foreign country. Prerequisite: SFRN 202 or 210 or 250 or consent of instructor.

**SFRN 398. Topics in French Language or Literature (1-3)** Prerequisite: SFRN 202 or consent of instructor.

**SFRN 399. Independent Study or Internship (1-3)** Supervised professional experience or research outside the classroom. For three internship credit hours, a student is to work 135 hours with an approved agency; for two credit hours, 90 hours; for one credit hour, 45 hours. For an internship or for an independent study, a contract must be signed by the student and by the instructor of record and other designated faculty and administrators. A student may repeat SFRN 399 once with a different internship or independent study contract description for a total of no more than six hours of undergraduate credit. Prerequisites: GPA 2.0 overall, 2.5 in foreign language course and consent of faculty supervisor.

**SFRN 402. Masterpieces of French Drama (3)** Selected works from the beginning of French theatre through the present. Prerequisite: SFRN 202 or consent of instructor.

**SFRN 403. Masterpieces of the French Novel (3)** Selected works from the beginning of the French novel through the present. Prerequisite: SFRN 202 or consent of instructor.

### Geography (SGEG)

**SGEG 101. The Upstate (3)** Uses the landscape approach to study the 10-county area of Northwestern South Carolina. Spatial, economic, social, cultural, demographic and natural traits of the contemporary urban, suburban and rural landscapes are examined after an introduction to the landscape approach.

**SGEG 103. Introduction to Geography (3)** Principles and methods of geographical inquiry.

**SGEG 121. Principles of Regional Geography (3)** Description of the regional method and an analysis of the region forming processes. Emphasis is on the distinctive features of large areas of the world.

**SGEG 201. Introduction to Physical Geography (4)** The spatial significance of land forms, water bodies, and soils. Emphasis is placed on both the man-land relationship and the concept of location. Three class and two laboratory hours per week.

**SGEG 202. Introduction to Weather and Climate (3)** The interrelationship of weather elements and controls and the spatial distribution of climate and vegetation.

**SGEG 212. Introduction to Economic Geography (3)** Factors in location and production of commodities, commerce and manufacturing.

**SGEG 340. Geography of Population, Settlement and Migration (3)** (=SSOC 327) Births, deaths, migration and the distribution of human populations, and the analytical methods used in the study of each of these topics.

**SGEG 398. Special Topics (3)** Geographic dynamics and characteristics at the local, regional or global level. May be taken twice if the topic is different. Prerequisite: Any lower division geography course or consent of instructor.

**SGEG 424. Geography of North America (3)** Physical and cultural geography of North America with emphasis on the United States.

## Geology (SGEL)

**SGEL 101. Physical Geology (4)** Methods and procedures of science for interpretation of the earth. The natural processes and their products — the minerals, rocks, fossils, structure and surface forms of the earth are considered. Emphasis is placed on the interplay between hypothesis, experiment, and observable fact which characterize productive physical science. Three class and three laboratory hours per week.

**SGEL 102. Historical Geology (4)** The practice of geology as an historical science with emphasis on the methods of analysis, nature of the record, and guiding principles that have allowed geologists to decipher the history of the earth. Three class and three laboratory hours per week.

**SGEL 103. Environmental Earth Science (4)** Analysis of the basic energy cycles of the earth the interaction of human activity with earth processes to affect the environment. Three class and three laboratory hours per week.

**SGEL 120. Geology of the Southeast (3)** Investigation of the geological processes responsible for the land forms and natural resources of the southeastern United States. Three class hours per week and field trips are required.

**SGEL 121. Geology of North America (3)** Analysis of the geological history and development of the North American landmass, regions and resources. Comparison of similarities among regions, though formed at widely separated periods in earth history, will be emphasized. Three class hours per week and field trips are required.

**SGEL 123L. Geology of National Parks - Field Study (1)** Developing field techniques in a national park setting. Principles of geology are reinforced in the classroom component followed by travel to a national park for geological research and the development of appropriate field notes. Prerequisite: SGEL 121 or consent of instructor.

**SGEL 131. Earth Resources (3)** Mineral, earth and water resources, with particular attention to their occurrence and use, and the interaction between geology and economics as limiting factors on resource development. Three class hours per week and field trips are required.

**SGEL 241. Environmental Geology of South Carolina (3)** An investigation for the environmental geology of South Carolina focusing on specific case studies including water issues, beach management, waste disposal, energy production and use. Prerequisites: Sophomore standing or consent of the instructor.

**SGEL 310. Paleobiology (4)** Taxonomy and morphology of fossil organisms. Three class and three laboratory hours per week. Prerequisite: SGEL 102 or SBIO 102 or consent of instructor.

**SGEL 399. Independent Study (1-6)** Directed research project depending on student interest and needs. Prerequisite: consent of instructor.

## German (SGRM)

*Note: Unless otherwise indicated, readings, lectures and discussion in foreign language courses above the elementary level are principally in the language concerned. Incoming students with previous experience in a foreign language must take a placement test.*

**SGRM 101, 102. Introductory German (3,3)** Fundamentals of the language and culture through speaking, listening, reading and writing. Prerequisite for 102 is SGRM 101 or placement through testing.

**SGRM 105, 106. Introduction to Business German (3,3)** Basic oral and written language skills, as well as intercultural awareness necessary for the modern business environment. Prerequisite for 106 is SGRM 105 or consent of instructor.

**SGRM 121. Elementary German (3)** Intensive review and continuation of basic grammar and vocabulary for fundamental communication skills. Placement in SGRM 121 assumes a minimum of two years high school level experience in the language.

**SGRM 201. Intermediate German (3)** Review of the basic principles of the language, with emphasis on read-

ing, writing, and oral skills. Prerequisite: SGRM 102 or 121 or placement through testing.

**SGRM202. Intermediate German (3)** Review of the basic principles of the language, with emphasis on writing, oral skills, and the reading of literary and other authentic texts. Prerequisite: SGRM 201 or placement through testing.

**SGRM 204. German Culture (3)** Major artistic, literary and historical movements from the Middle Ages to modern times that have contributed to the German cultural identity. Taught in English. Prerequisite: SEGL 102 or consent of instructor.

**SGRM210. German Oral Communication (3)** Enhancement of oral expression through group discussion, oral presentations, and vocabulary development. Prerequisite: SGRM 202 or placement through testing.

**SGRM 250. Selected German Studies Abroad (3-6)** Development of intermediate level communication skills together with immersion in the culture of a foreign country. Prerequisite: SGRM 102 or 121 or consent of instructor.

**SGRM 308. Business German (3)** Elements of language centering on written business communication skills. Prerequisite: SGRM 202 or consent of instructor.

**SGRM310. German Conversation (3)** Advanced vocabulary development and acquisition of fluency through aural and oral activities. Prerequisite: SGRM 210 or placement through testing.

**SGRM 325. Modern German Literature in Translation (3)** Masterpieces of German literature. The selection may include texts by T. Mann, Kafka, Brecht, Hesse and Grass. Taught in English. This course may not be used to satisfy a foreign language requirement. Prerequisites: SEGL 102 or consent of instructor.

**SGRM350. Selected German Studies Abroad (3-6)** Development of advanced level communication skills together with immersion in the culture of a foreign country. Prerequisite: SGRM 202 or 210 or 250 or consent of instructor.

**SGRM 398. Topics in German Literature/Language (1-3)** Prerequisite: SGRM 202 or consent of instructor.

**SGRM 399. Independent Study or Internship (1-3)** Supervised professional experience or research outside the classroom. For three internship credit hours, a student is to work 135 hours with an approved agency; for two credit hours, 90 hours; for one credit hour, 45 hours. For an internship or for an independent study, a contract must be signed by the student and by the instructor of record and other designated faculty and administrators. A student may repeat SGRM 399 once with a different internship or independent study contract description for a total of no more than six hours of undergraduate credit. Prerequisites: GPA 2.0 overall, 2.5 in foreign language course, and consent of faculty supervisor.

## **Government and International Studies (SGIS)**

**SGIS 201. American National Government (3)** The formation and development of the national government, its organization and powers.

*Note: Government and International Studies 201 must be completed prior to enrolling in upper division government and international studies courses.*

**SGIS 210. Research Methods in Political Science (3)** Various approaches to the rigorous study of political phenomena. The emphasis is upon the critical thinking and evaluative skills necessary to the understanding of politics. Among the techniques to be considered are surveys, charts and graphs, case studies, and statistical summaries.

**SGIS 238. Fundamentals of Political Behavior (3)** Interpretation of the basic concepts relative to American political behavior. Focus on political ideology, political culture, including political socialization, and both individual and group political behavior.

**SGIS 300. Introduction to Political Theory (3)** A survey of various concepts in western political philosophy such as political obligation, freedom, equality, justice, rights, authority, and power.

**SGIS 301. Introduction to Political Science (3)** An introduction to ideas important in the study of politics. Topics include the concept of power and the nature of the state as seen in the ideologies of totalitarianism, fascism, socialism, communism, liberalism and pluralism.

**SGIS 310. International Politics (3)** An introduction to the basic factors influencing nation-state behavior in the world: the nation-state system, nationalism and imperialism, national power, and the present world crisis. The role of the United States in the world community is emphasized.

**SGIS 312. Race and Ethnicity in American Politics (3)** Impact of race and ethnicity on political participation, representation, institutions, and the evolution of public policy.

**SGIS 320. Comparative Politics (3)** An introduction to the analysis of the major types of political systems utilizing examples drawn from democratic, communist and underdeveloped nation-states. Problems, approaches and methods associated with the comparative field are emphasized.

**SGIS 324. Campaigns and Elections (3)** The function, organization, actors, and consequences of campaigns and elections in American politics. Particular races and campaigns will be featured as examples for research into how campaigns work and why they matter.

**326. Middle East Politics (3)** Comparative study of political processes within Middle Eastern countries and their relations with other states, particularly the United States. Prerequisite: SGIS 201.

**SGIS 327. East Asian Politics (3)** Comparative study of political processes within East Asian countries and their relations with other countries, particularly the United States. Prerequisite: SGIS 201.

**SGIS 330. International Organizations (3)** An introduction to the structure and functions of international political and economic organizations. Particular attention is given to the United Nations and its specialized agencies and to emerging regional communities.

**SGIS 340. United States Foreign Policy (3)** Formulation of American foreign policy, problems of security, trade and diplomacy. Policies related to specific nation-states and regions will be emphasized.

**SGIS 350. Women and American Politics (3)** The participation of women in American political life and their influence in electoral politics and issue-based movements.

**SGIS 360. American Political Parties (3)** The functions, history and future of political parties in the United States. Emphasis is on the development of political parties and the consequences of that development upon the party as an organization, the party as an electorate, and the party in the government.

**SGIS 361. Political Behavior (3)** Political participation in the United States through such activities as interest groups, political protest, contacting officials, voting, running for office. Who participates and why, and the consequences of participation for policy decisions and for society are also examined.

**SGIS 363. Southern Politics (3)** Selected political patterns and trends within the eleven states of the American South including historical developments since 1950.

**SGIS 364. State and Local Government (3) (=SCRJ 364)** The institutions, functions, policy making processes, and politics of state and local governments including an examination of the relations between state and local government, and the relations between state and local government and the national government.

**SGIS 365. Politics and Media (3) (=SJOU 365)** Interpretation of the pivotal role of media in contemporary American politics. Familiarizes the student with fundamental concepts regarding the pervasive role of media in how it shapes our life, political ideology, political culture and political behavior. Prerequisite: SGIS 201 or permission of instructor.

**SGIS 370. Introduction to Public Administration (3) (= SCRJ 370)** The basic principles and theory of administrative structure, responsibility, and control in relation to policy making in the modern state.

**SGIS 374. Introduction to Public Policy (3)** Social, political, and technical forces in policy making including various theories of public policy and inquires into selected policy areas. Current policy issues are included and integrated into the larger theories of decision making.

**SGIS 380. Environmental Policy (3)** An investigation of American national and international issues relating to the ecological basis of human living. Special attention is on environmental issue-areas including air, water, forests, soil erosion, and wildlife as well as the impact of population, the economy, and technology on the quality of the environment.

**SGIS 385. American Political Thought (3)** A survey of American political theorists from the colonial period to the present with an examination of the social, cultural, historical and scientific developments that have contributed to the nature of American political thinking.

**SGIS 386. Art and Politics (3)** A presentation of the connection between art and political thought. The course focuses on architecture, painting, and music as they express political values and attitudes. Prerequisite: SGIS 201.

**SGIS 399. Independent Study (1-6)**

**SGIS 400. Terrorism and Political Violence (3)** Forms, causes, and consequences of political violence with special attention to terrorism.

**SGIS 403. History of Western Political Thought (3)** A survey of political theories propounded by western political philosophers from Plato to Nietzsche.

**SGIS 420. Women and Politics: A Global Perspective (3)** Women's status and political activism around the globe. The focus is on similarities and differences and the bases for them. Prerequisite: SGIS 320 or consent of instructor.

**SGIS 445. Public Policy Seminar: K-12 School Reform (3)** Examination of current K-12 school reform efforts as public policy initiatives. Analysis of various models and approaches as appropriate methods of stabilizing and changing public schools as institutions fundamental to American society.

**SGIS 450. Constitutional Law (3)** The evolution of governmental powers focusing on the judiciary, the presidency, congress, the states, and intergovernmental relations.

**SGIS 451. Civil Rights and Civil Liberties (3) (=SCRJ 451)** Freedom of religion, freedom of speech and association, due process, equal protection, and criminal procedure.

**SGIS 452. The Judicial Process (3) (=SCRJ 452)** The growth of law, the lawmaking of the courts, the structure and organization of federal and state courts, the procedures involved in civil and criminal cases, and the problems and proposals for reform in the administration of justice.

**SGIS 460. International Law (3)** History and basic principles of law among nation-states. Emphasis is upon the scope of international law and the extent to which law shapes the behavior of international actors.

**SGIS 462. The Legislative Process (3)** Structure, organization, powers, functions and problems of legislative bodies.

**SGIS 463. The American President (3)** The constitutional powers and political roles of the president with lesser emphasis upon state governors. Emphasis is placed on the chief executive and administration, executive relationships with legislatures, and party and popular leadership by the executive.

**SGIS 481. The Politics of Inequality (3)** The progress made by, and relationship between, the struggles for racial, gender, and economic equality in America. Topics include theories of justice, the nature of oppression, political participation, and the philosophical and legal development of equal rights.

**SGIS 491. Topics in Government and International Studies (1-3)** May be repeated once as topics change.

**SGIS 495. Political Science Internship (1-6)** Supervised work experience in a political or governmental environment. A minimum of three hours work per week is required for each credit hour. Students are required to meet periodically with the supervising faculty member. Prerequisites: junior or senior standing and consent of the instructor. Students are limited to a maximum of six hours combined from SGIS 495 and 496.

**SGIS 496. Public Administration Internship (1-6)** Supervised work experience in a public administration environment. A minimum of three hours work per week is required for each credit hour. Students are required to meet periodically with the supervising faculty member. Prerequisites: junior or senior standing and consent of the instructor. Students are limited to a maximum of six hours combined from SGIS 495 and 496.

**SGIS 500. Senior Seminar (3)** Exploration, at an advanced level, of issues, topics and dilemmas in both the subject matter and the profession of political science with emphasis on research and oral presentation of research findings. The specific topics covered in the course vary. Prerequisites: 12 hours of SGIS at the 300-level or above, or consent of instructor.

**SGIS 571. Public Financial Administration (3)** Principles and practices of financial administration including organization, budgeting, assessment, treasure management, and debt.

**SGIS 572. Public Personnel Management (3)** Fundamental principles of personnel organization and administration, including an analysis of personnel techniques.

### **Healthcare Information Management and Systems (SHIM)**

**SHIM 201. Understanding Healthcare Organizations (3)** Introduction to origins and evolution of current healthcare delivery systems and organizational structures,

healthcare terminology and language structures, common usage, acronyms, and basic uses of information in a variety of healthcare settings. Topics also include introduction to levels of information users and information needs within a variety of healthcare organizations. Prerequisites: SCSC 138, SIMS 201, or consent of instructor.

**SHIM 250. Department Administration in Healthcare (3)** Management, communication, and problem-solving as they relate to human resources, quality assurance, finance, budgeting and reimbursement in a healthcare setting. Prerequisite: Sophomore standing or consent of instructor.

**SHIM 301. Healthcare Information Systems (3)** Introduction to healthcare information systems to include management and administration information systems, clinical information systems, business information systems, decision support, critical care applications, information systems in education, and emergent system applications. Particular emphasis is placed on automation required for the emerging "paperless" environment and computer-based records. Prerequisite: SHIM 201 or consent of instructor.

**SHIM 302. Information Trends in Healthcare Systems (3)** Data, knowledge, and information structures, terminological control, index language functions, regulatory determinants of data collected/stored (ex. JCAHO/HIPPA, etc.), including study of language development in healthcare systems evolution. Prerequisite: SHIM 301 or consent of instructor.

**SHIM 412. Ethics and Risk Management in Healthcare Information Systems (3)** Selected ethical issues, confidentiality, preservation and conservation of sensitive data, data maintenance and integrity preservation. Prerequisites: SPHL 211 or SPHL 310 or SPHL 311 or SPHL 321; and SHIM 302; or consent of instructor.

**SHIM 413. Network Applications for Healthcare Information Systems (3)** Network configurations and functions including the latest developments and applications in electronic health records (EHR) and the implementation of the EHR in the healthcare industry.

**SHIM 417. Healthcare Information Security (3)** Infrastructure assessment, business protection practices, and compliance management based on the International Information Systems Security Certification Consortium's 10-domain model for healthcare information technology systems. Prerequisite: SCSC 315 or consent of instructor.

**SHIM 450. Healthcare Database Systems and Information Retrieval (3)** Database formats and structures, query techniques, document classification, managing large data collections, statistical applications in data management. Emphasis is placed on the discovery of methods to capture data as an important institutional resource through efficient management of databases and data repositories, and on the importance of data collections that provide accurate outcome assessment. Prerequisite: SIMS 421 or consent of instructor.

**SHIM 496. Special Topics (3)** Study reflective of current issues/topics related to the field of healthcare information management. Topics might include (but are not limited to) emergent technology in healthcare settings such as user interface design, expert system evolution, virtual environments, soft computing/fuzzy logic applications, artificial intelligence. Topics chosen for study in a given semester will be determined by the state of the science at the time of the offering. Prerequisite: Completion of 12 hours SHIM courses.

**SHIM 498. Practicum in Healthcare Information Management (3)** Supervised professional practice involving information management in a healthcare organization. Prerequisite: Senior standing in the healthcare informatics application area.

### Health Education (SHED)

**SHED 170. First Aid (3)** Instruction leading to basic certification in standard first aid and cardiopulmonary resuscitation. Discussion of HIV/AIDS and back injury prevention is also included.

**SHED 221. Lifelong Health and Wellness (3)** Wellness and fitness trends in America. Self-assessment of health status concepts, human sexuality, health promotion strategies (physical fitness, stress management, nutrition, weight control) and health maintenance of major life style diseases (Cardiovascular disease, cancer, diabetes mellitus, HIV, substance abuse).

**SHED 331. Health and Physical Education for the Elementary School Child (3)** Methods and materials for teaching health and physical education in the elementary school including integration and correlation of materials with other subjects at primary and intermediate grade levels.

**SHED 334. The School Health Program (3)** Methods of teaching health with special emphasis on the relationship of health to physical education. Health service, healthful school living, and method and materials of teaching health are included. Prerequisites: SHED 221 and SBIO 232.

### History (SHST)

**SHST 101. Introduction to World History I (3)** World history to 1500. Using a global approach, emphasis is placed on major political, social, economic, and cultural trends.

**SHST 102. Introduction to World History II (3)** 1500 to the present. Using a global approach, emphasis is placed on major political, social, economic, and cultural trends.

**SHST 105. History of the United States to 1877 (3)** The indigenous peoples, the era of discovery, and the nation from Independence to the end of Reconstruction, emphasizing major political, economic, social, and intellectual developments.

**SHST 106. History of the United States from 1865 (3)** The rise of modern America after the Civil War, emphasizing

the political, social, economic, and intellectual trends that contributed to the development of contemporary society.

**SHST 198. Current History (1)** Major events in the news with emphasis on their historical context and likely long-range significance. May be taken up to three times for credit.

*Note: the prerequisite for all upper division history courses is any 100-level history course or the consent of the instructor.*

**SHST 300. Introduction to Historical Studies (3)** Methods of historical inquiry. Particular attention is given to primary and secondary sources, document analysis, citation methods, research paper skills, and historical writing.

**SHST 301. Early North America (3)** The history of North America from its earliest inhabitants, the exploration and colonization of North America through the end of the Seven Years' War. The subject matter includes Native American societies, background on the Europeans and Africans who would migrate to the colonies, the collision of cultures, family life and labor, colonial administration, and the development of international rivalries in North America.

**SHST 302. History of the Revolutionary Era (1763-1789) (3)** Era from the end of the Seven Years' War through the ratification of the United States Constitution including the social, political, economic, cultural, and geographic development of the new nation out of the struggle for independence.

**SHST 303. History of the Early American Republic (1789-1820) (3)** The ratification of the United States Constitution through the first three decades of American independence, including the social, political, economic, cultural, and geographic development of the new nation through this period.

**SHST 304. The Age of Jackson (1820-1848) (3)** The Jacksonian Era from 1820 through 1848, including the social, political, economic, cultural, and geographic development of the new nation under this period.

**SHST 305. Sectionalism and Civil War (1848-1877) (3)** The Civil War Era from 1848 through 1877 including the social, political, economic, cultural, and geographic development of the nation during this period, with a concentration on the rise of sectionalism in the country, the military and social conflicts during war, and the tribulations of the Reconstruction era.

**SHST 306. Gilded Age and Progressive Era America (1877-1917) (3)** The Gilded Age and the Progressive Era between 1877 and 1917 including the social, political, economic, cultural, and geographic development of the nation during this period.

**SHST 307. The United States and the World at War, 1914-1945 (3)** The era from 1914 to 1945, focusing on the social, political, economic, cultural, and geographic development of the nation during this period including



the American involvement in the two World Wars, the Roaring Twenties, and the Great Depression.

**SHST 310. African-American History to 1865 (3)** The African background, origins of slavery, the rise of the free black community, and African Americans as actors in the political, economic, social, and cultural history of the United States to the end of the Civil War.

**SHST 311. African-American History since 1860 (3)** The African American role in the Civil War. Emancipation, Reconstruction, and the development of the black community since 1860. Major topics include African Americans' struggle for autonomy and equal rights in the political and economic arenas, the impact of race in American society, and the intellectual and cultural traditions of African Americans.

**SHST 312. American Military History (3)** United States involvement in armed conflicts from the colonial period to the present. Subjects covered include the evolution of warfare, the place of the military in society, and the development of professionalism in American forces.

**SHST 313. The Vietnam War (3)** The causes, major events, and impact of the Vietnam War viewed in a cross-cultural context.

**SHST 318. Native American History (3)** Pre-Columbian times to the present in North America. Emphasis is placed on economic, political, military and social changes in native cultures over time in response to European and then American encroachment.

**SHST 320. The South to 1865 (3)** The southern United States from the colonial era to the end of the Civil War, emphasizing the development of regionally distinct political, social, economic, and cultural characteristics and institutions.

**SHST 321. The South since 1865 (3)** The southern United States from the era of Reconstruction to the present. Topics include the tension between an increasingly national focus in economics and politics and the desire to maintain local social control. The question of the persistence of a southern identity is central.

**SHST 322. History of South Carolina, 1670 to the Present (3)** The origins and development of South Carolina from colonial times to the present with emphasis on the unique role the state has played in the nation's history.

**SHST 323. Our Past: Upstate History (3)** Local history, focusing on Greenville, Spartanburg, and Cherokee Counties. Public/applied history techniques and projects are included.

**SHST 330. Early Mediterranean Empires (3)** Peoples in trade, politics, culture, and society in the Mediterranean region through the rise of the Byzantine Empire. Significant attention is given to the Egyptian, Persian, and Byzantine Empires with the main emphasis on Greece and Rome.

**SHST 332. Renaissance and Reformation in Europe (3)** Economic, political, social and cultural developments in Italy in the fourteenth and fifteenth centuries; their spread north and collision with the new ideas released in the Protestant revolt of the sixteenth century. Significant attention is given to the religious wars of the late 1500s and early 1600s.

**SHST 333. Absolutism and Enlightenment in Europe (3)** Social, economic, intellectual, cultural and political transformation of Europe from Louis XIV to the French Revolution. Significant attention is given to Absolutism, Louis XIV, Peter the Great, Frederick the Great, Maria Theresa, Catherine the Great and the new ideas of the Enlightenment.

**SHST 335. Twentieth Century Eastern Europe (3)** Eastern Europe from Austro-Hungarian, Russian and German domination to present. Significant attention is paid to nationalism, national self-determination, World Wars I and II, economic and political struggles, communist domination, and independence.

**SHST 336. Nineteenth Century Europe (3)** Europe from the French Revolution to the end of the nineteenth century. Significant attention is paid to the French Revolution, the Napoleonic Era, industrial development and its consequences, new ideologies, imperialism, and the rise of Italy and Germany.

**SHST 337. Age of the World Wars (3)** World War I, the Inter-war years, and World War II. Particular attention is given to the causes and events of World War I, the Paris Peace Conference of 1919, the struggles of the Inter-war period, the rise of Adolf Hitler, and the causes and events of World War II.

**SHST 338. Europe's Cold War (3)** The Cold War experience in Europe from 1945 to the early 1990s, from a political, social, cultural, economic and military perspective. Significant attention is given to European recovery, the creation of the Soviet Bloc as well as its demise, and European unity.

**SHST 340. Germany since 1870 (3)** Cultural, political, intellectual and social impact of unification, World War I, the Weimar Republic, the Third Reich, East and West Germany, and reunification.

**SHST 341. History of Modern Russia (3)** Political, economic, social and cultural developments from the mid-nineteenth century through the present.

**SHST 347. Medieval Britain 1066-1399 (3)** Political, social, economic, religious, and intellectual development in Britain during the High Middle Ages, from the Norman Conquest to the fall of Richard II.

**SHST 348. Early Modern Britain 1399-1750 (3)** British social, political, religious, cultural, and economic development in the early modern period. Topics will include Henry VIII, Bloody Mary, Elizabeth, the English Civil War and the Glorious Revolution.

**SHST 349. Modern Britain 1750-Present (3)** British social, political, religious, cultural and economic development in the modern period, including the rise of industrialization, imperialism, and the two World Wars.

**SHST 350. Genocides in Europe (3)** Causes, comparisons, and consequences of ethnic cleansing and genocide from the late nineteenth century through the present. Significant attention is paid to the Jewish Holocaust in World War II.

**SHST 351. Women in Early Modern Europe and America (3)** Changing notions of the female body and women's roles as lovers, housewives, mothers, philosophers, consumers, workers, saints and potential citizens in pre-industrial, commercial and early industrial Europe.

**SHST 352. Women in Modern Europe and America (3)** Industrialization, changing images of the female body, radical and reform movements, war, economic depression, citizenship, race, professionalization, women's unwaged as well as wage labor, and effect of occupational choice upon women's social roles.

**SHST 353. History of Science (3)** The development of natural philosophy from the ancient Greeks through the Scientific Revolution and Enlightenment to the rise of modern science.

**SHST 354. Birth of Europe 300-1000 (3)** European political, social, economic, religious, and intellectual development from the establishment of Christianity as an officially sanctioned religion to the dawn of the feudal age. Topics will include the Germanic kingdoms, Charlemagne's Empire and the Viking invasions.

**SHST 355. Medieval Civilization 1000-1400 (3)** European political, social, economic, religious, and intellectual development during the High Middle Ages. Topics will include feudalism, the Crusades, and the Black Death.

**SHST 360. Africa to 1800 (3)** Traditional culture, early civilizations, rise of Islam, Sudanic empires, and the slave trade era.

**SHST 361. Africa since 1800 (3)** Commercial and religious revolutions of the 19th century, partition, colonial rule, post-independence, and South Africa.

**SHST 370. History of China (3)** The cultural, economic, social, and political development of China with emphasis on the transformation of traditional Chinese society from 1644 to the present.

**SHST 371. History of Japan (3)** The cultural, economic, social, and political development of Japan with emphasis on the transformation of traditional Japanese society from 1600 to the present.

**SHST 372. History of India (3)** The cultural, economic, social, and political development of India with emphasis on Hindu and Islamic influences, the rise of nationalism during the period of British rule, and post-independence India.

**SHST 373. Pre-modern East Asia (3)** Political, cultural, and economic development in China, Japan, and Korea before 1600 with an emphasis on interactions of different regions in East Asia.

**SHST 375. Revolutions in Modern China (3)** Political history of China between the late 19th century and the early 21st century, including the emergence of Chinese nationalism, the spread of Marxism, the rise of the Chinese Communist Party, democratic movements in mainland China and Taiwan, and political and economic reforms.

**SHST 380. Latin American to 1830 (3)** Indigenous cultures, the Spanish and Portuguese presence in the Caribbean, South America and Mesoamerica through independence.

**SHST 381. Latin American since 1810 (3)** Independence, the national period, the struggles for political stability and democracy and against militarism and authoritarianism, economic development, issues of ethnic identity and culture.

**SHST 390. Foundations of a Global Society to 1800 (3)** Early interaction among major world areas; the beginning of European maritime expansion in the fifteenth century; the establishment of colonial and commercial empires; the slave trade era; and the political, economic, and cultural consequences of these developments to the early nineteenth century.

**SHST 391. Emergence of a Global Society since 1800 (3)** Developments since the late eighteenth century, including the impact of population increase and migration, the imperialism of the later nineteenth century and the nature and consequences of the colonial era that followed, the transition to independence, continuing technological innovation and the interconnectedness of the contemporary world.

**SHST 399. Independent Study (1-6)**

**SHST 491. Topics in History (3)** Reading and research on selected historical subjects. Prerequisite: Any lower division history class or consent of instructor.

**SHST 492. Topics in United States History (3)** Reading and research on selected historical subjects related to the history of the United States. Prerequisite: U.S. history at the 300-level or consent of instructor.

**SHST 493. Topics in European History (3)** Reading and research on selected European subjects.

**SHST 494. Topics in Non-Western History (3)** Reading and research on selected Non-Western subjects.

**SHST 495. Topics in African-American History (3)** Reading and research on selected historical subjects related to the African-American experience. Prerequisite: SHST 310, SHST 311, or consent of instructor.

**SHST 496. Topics in Women's History (3)** Reading and research on selected subjects in women's history. Prerequisite: Any lower division history class or consent of instructor.

**SHST 500. Senior Seminar (3)** Exploration, at an advanced level, of issues, topics and dilemmas in both the subject matter and the profession of history with emphasis on research and oral presentation of research findings. The specific topics covered in the course vary. Prerequisite: 12 hours of SHST at the 300-level or above with a minimum grade of C, or consent of instructor.

### Honors Courses (HONS)

**HONS 101. First Year Honors Experience (3)** Study of a particular theme taught by faculty across disciplines. Intensive reading, writing, and research. Prerequisite: Admission to Honors Program as a first year student; or permission of director of honors program.

**HONS 102. Chancellor's Honors Seminar (1-3)** Study of a particular topic taught by the Chancellor or Executive Vice-Chancellor of Academic Affairs. Prerequisite: Admission to Honors Program or permission of director of honors program.

**HONS 250. Honors Travel (1-3)** Visits to and study of international or US sites of historic, cultural, and/or literary significance. Content and itinerary will vary depending on the instructor's area of interest. Prerequisite: Admission to Honors Program or permission of honors program director.

**HONS 301. Honors Colloquium Study (3)** Examination of a particular theme taught by faculty across disciplines. Intensive reading, writing, and research. Prerequisite: Admission to Honors Program as a sophomore, junior or transfer student; or permission of director of honors program.

**HONS 350. Honors Travel (3)** Visits to and study of international or U.S. sites of historic, cultural, scientific, and/or literary significance. The focus and work product for the course vary depending on the instructor's area of interest. Prerequisite: Admission to Honors Program or overall GPA of 3.25 at USC Upstate or accredited institution with permission of the Director of the Honors Program.

**HONS 399. Honors Independent Study (3-4).** Directed research and reading of a complex and extensive nature in keeping with the student's major interests. A written report or work is required at the end of the term. Research involves both primary and secondary sources. Consent of the Director of the Honors Program. May be repeated with the consent of the Director of the Honors Program for a total of no more than eight hours of undergraduate Honors credit. A university contract must be completed with all required signatures.

**HONS 401. Honors Thesis (3)** Independent original scholarship completed under the supervision of an honors faculty member. Work completed is an original essay, annotated creative work or performance, scientific report, or other special project. One meeting hour per week and independent research. May be repeated for credit once. Prerequisite: Admission to Honors Program; 12 honors credits, permission of director of honors program.

### Information Management and Systems (SIMS)

**SIMS 101. Survey of Information Technology (3)** Use of information technology to collect, analyze, and transform data into knowledge using desktop software and commonly available Internet-based resources and the evaluation of information sources for accuracy, suitability, safety, security, societal and ethical issues.

**SIMS 201. Concepts of Information Management and Systems (3)** Theoretical foundations of organization of information; cognitive structures and processing of data, information, knowledge, and understanding information uses and users. The integrated and interdisciplinary nature of information science and computer science is introduced and developed through case studies and examples from concentration disciplines: business, education, communication, and healthcare settings. Prerequisite: SCSC 138.

**SIMS 211. Microcomputer Organization (3)** Introduction to the major features of operating system software, the primary functions of CPU's, bus architectures, secondary storage devices, peripheral devices, hardware and software configuration. The goal is the assembly and disassembly of microcomputer systems and installation of operating systems, network operating systems, and applications software. Prerequisite: SCSC 138 or consent of instructor.

**SIMS 303. Organizational Informatics (3)** Needs, uses and consequences of information in organizational contexts, organizational types and characteristics, functional areas and business processes, information-based products and services, the use of and redefining role of information technology, sociotechnical structures, and the rise and transformation of information-based industries. Prerequisite: SIMS 201 or consent of instructor.

**SIMS 305. Social Informatics (3)** Key social research and perspectives on the use of information and communication technologies, information ethics, relevant legal frameworks, popular and controversial uses of technology, digital divides, and multicultural issues of information management. Prerequisites: SIMS 303 or equivalent or consent of instructor.

**SIMS 345. Technical Presentation and Communication (3)** Communication technologies in the workplace such as Power Point, Lotus, Freelance and HTML. Prerequisites: SCSC 138 and SSPH 201.

**SIMS 346. Communication and New Technology (3)** Understanding the components of various technologies and their importance in information management and dissemination within and outside the organization. Prerequisite: SCSC 138.

**SIMS 347. Web page Construction (3)** Design of user-layer Web pages using HTML, Java script, Flash, and Dreamweaver, featuring graphic preparation, layout and effective presentation of information. Prerequisites: SIMS 305 or SIMS 303 or consent of instructor.

**SIMS 399. Independent Study in Informatics (1-6)** Directed and self-guided research into topics of interest in the field of informatics. May be repeated for a maximum of 6 credit hours. Prerequisite: Consent of instructor.

**SIMS 415. E-Commerce and the Internet (3)** Coordination and cultural challenges, value creation opportunities, and information management issues associated with various forms of electronic commerce including electronic data interchange, the World Wide Web, and the Internet in today's global economy. Prerequisite: SCSC 315 or consent of instructor.

**SIMS 421. Data Warehousing and Decision Support Systems Technology (3)** Data warehousing, online analytical processing, and decision support systems. Topics include design and architectural issues, cost effectiveness, management concerns, data integrity, deployment, and maintenance issues. Prerequisite: SCSC 325 or consent of instructor.

**SIMS 422. Knowledge Inference Systems & Applications (3)** Knowledge representation, intelligent decision systems, uncertainty and inexact knowledge, principals of rule-based systems, action rules, interestingness measures, usability evaluation. Select study of actual systems and applications in specific domains such as: medicine, business, communications, and education. Prerequisite: SIMS 421 or consent of instructor.

**SIMS 423. Human-Machine Interaction (3)** Concepts of interaction and how people acquire, store and use data including interface analysis and creation, human factors in perception, pattern recognition, speech recognition, attention, memory and expectation. Prerequisite: Senior standing or consent of instructor.

**SIMS 440. Business Process Re-engineering & Workflow (3)** Information technology and communication requirements of, and cultural or social issues pertaining to, the flow of work through distributed information management processes in business and other organizations. Students in the Healthcare Informatics application area focus on applications in the healthcare setting. Prerequisites: SIMS 415 and senior standing or consent of instructor.

**SIMS 441. IT Project Management (3)** Breakdown, estimation, leadership of a diverse team, and the use of tools to ensure the completion of deliverables within budget and on schedule. Students in the Healthcare Informatics application area focus on applications in the healthcare setting. Prerequisites: SIMS 415 and senior standing or consent of instructor.

**SIMS 450. Executive IT Management (3)** Issues and challenges facing IT executives including IT alignment and governance, consensus, executive leadership, oversight, return-on-investment analysis, project management, and risk management. Students in the Healthcare Informatics application area focus on applications in the healthcare setting. Prerequisite: Senior standing or consent of instructor.

**SIMS 496. Special Topics in Informatics (1-6)** Current trends, events, software, hardware, and issues in informatics, information technology, and information management. May be repeated for a maximum of 6 credit hours. Prerequisites: Senior standing and consent of instructor.

**SIMS 498. Experiential Learning in Information Management and Systems (3)** The application of learning in a professional setting. To complement and strengthen the Information Management and Systems academic program, students will complete a planned program of observation, study, and work in selected organizations with information management and systems offices. Student will have an opportunity to apply and articulate what they have learned in the classroom. Prerequisites: IMS major, senior standing and approval of instructor. Pass/fail credit.

**SIMS 499. Senior Seminar in Information Management and Systems (3)** Integration of knowledge in information management and systems. Students will study and evaluate current innovations in technology and current applications of these systems. Case studies involving information systems technology will be used. Students will research and present new trends in technology. Students will experience an intensive and practice exercise in scholarship production. Class discussion will foster effective and creative implementation of research strategies, writing abilities, documentation procedures, portfolio development, and presentational skills. Students in the Healthcare Informatics application area focus on applications in the healthcare setting. Prerequisite: Senior standing or consent of instructor.

## **Journalism (SJOU)**

**SJOU 201. Survey of Mass Communications (3)** Survey of the principles, philosophies, policies and practices of the mass media with an overview of the print media, the broadcast media, and advertising/public relations. Prerequisite: SEGL 102.

**SJOU 302. History of Journalism (3)** The development of mass media from the colonization of America to the present. The interrelationships between print media and American social, cultural, economic and political issues are explored, with some examination of how these interrelationships influenced the development of twentieth century non-print media. Prerequisite: SEGL 102.

**SJOU 303. Law and Ethics of the Mass Media (3)** South Carolina and federal law relating to mass communications, the Internet, and the ethics of the journalistic profession. Prerequisite: SJOU 201 or consent of instructor.

**SJOU 304. Writing for the Media (3)** Writing for print, broadcasting, public relations, the Internet, both news and non-news. Using word processors, students prepare exercise and copy both in class and out of class on set deadlines. Prerequisite: SEGL 101.

**SJOU 305. Mass Communication Theory (3)** The role of communication models such as the social learning

theory, agenda setting, and cultivation theory in explaining the processes and effects of mass communications. Prerequisite: SEGL 102.

**SJOU 310. Mass Media and Society (3)** How mass media function and influence today's world. The interaction of mass media and contemporary culture is explored through an analysis of media examples. Prerequisite: SEGL 102.

**SJOU 325. Speech for Radio and Television (3)** Principles, standards and skills for broadcast speech in varied formats. Focus areas include pronunciation, enunciation, rate of delivery, pitch, inflection, and use of appropriate terminology in scripted and ad lib delivery. Prerequisite: SSPH 201.

**SJOU 328. Public Relations and Persuasion (3)** An analysis of the influencing of public opinion by business, government, consumer groups, minorities, environmentalists, and others. Prerequisite: SEGL 102.

**SJOU 333. Newswriting and Reporting (3)** Practices in print journalism. Students prepare copy in class against said deadlines. Prerequisite: SJOU 201.

**SJOU 334. Writing for Broadcasting (3)** Writing commercials, news stories, interview programs, documentaries for radio, television and film. Using word processors, students prepare copy in class against deadlines. Prerequisite: SJOU 201.

**SJOU 335. Feature Writing (3)** Focus on producing specialized articles on topics selected from such areas as public or community affairs, business, entertainment, science, sports, medicine and education. Using word processors, students prepare copy in class against set deadlines. Prerequisite: SJOU 201.

**SJOU 398. Special Topics in Journalism (3)** A specific area or media field is explored relating to the professional responsibilities of the journalism student looking toward the career marketplace. Prerequisite: SJOU 201.

**SJOU 424. History of American Broadcasting (3)** The American system of broadcasting, with emphasis on the chronological, structural, economic, social, and cultural development of radio and television. Prerequisite: SEGL 102.

**SJOU 430. Media Management (3)** Procedures, problems, and concerns relating to the administration and management of media agencies -- print, broadcast, advertising, and public relations. Prerequisite: SEGL 102.

**SJOU 480. Minorities in the Media (3)** An examination of media's depiction of groups that are marginalized based on race, class and/or gender. The interactions and relationships among professional terminology, cultural implications, message construction, media analysis and community perceptions are explored. Prerequisite: SEGL 102.

## Logic (SLGC)

**SLGC 205. Introduction to Logic and Rhetoric (3) (= University 301)** The identification and evaluation of reasoning as it occurs in natural language uses. The techniques of careful reading and clear writing are demonstrated through the production of critical essays. Two lecture and one laboratory hour per week. Prerequisite: SEGL 102.

**SLGC 207. Deductive Logic (3)** An examination of deductive arguments through the use of Aristotelian logic and propositional logic.

**SLGC 208. Inductive Logic (3)** The nature of arguments expressing inductive inferences. Included are the problem of induction, the probability calculus, the logic of experimentation, statistical inference, and decision-making models. Prerequisite: SLGC 205 or consent of instructor.

**SLGC 307. Advanced Symbolic Logic (3)** Advanced study of formal logic using propositional logic and predicate calculus. Prerequisite: SLGC 207 or consent of instructor.

## Mathematics (SMTH)

*Note: The appropriate entry level in mathematics is determined by the student's intended major and a mathematics placement examination given to all entering freshmen. Placement testing is also required for transfer students who have not completed their general education mathematics requirements.*

*Majors in the natural or computer sciences or mathematics who have completed three years of college preparatory mathematics and have demonstrated competence on the mathematics placement examination; should enroll in Mathematics 121, 126 or 127 as appropriate. Students who need both college algebra and trigonometry have the option of taking Mathematics 121 (with a grade of B or better) or 126, and Mathematics 127. Those who have demonstrated competence in college algebra can take Mathematics 127 to meet the calculus prerequisite. Upon successful completion of one of the precalculus options, students should enroll in Mathematics 141. Those who have completed four years of college preparatory mathematics, including trigonometry, and have demonstrated competence on the mathematics placement examination, should enroll in Mathematics 141.*

*Students not majoring in the natural or computer sciences, who have successfully completed high school Algebra I and II, and have demonstrated competence on the mathematics placement examination, should enroll as follows: business administration majors in the Mathematics 121, 122 sequence; elementary, early childhood, and special education majors in Mathematics 121, and 231; other majors in a mathematics course determined by their advisors.*

**SMTH 102. Elementary Statistics (3)** The fundamentals of modern statistical methods, descriptive and inferential statistics, probability and sampling; primarily for students in fields other than mathematics who need a working knowledge of statistics. Prerequisites: high school Algebra I and II, or equivalent.

**SMTH 120. College Mathematics (3)** Linear equations and inequalities, exponential equations, mathematics of

finance, fundamental set theory, fundamentals of probability and statistics. This course may not be used to satisfy any prerequisite requirement for higher-numbered mathematics courses. Prerequisites: appropriate score on placement test and high school Algebra I and II.

**SMTH 121. College Algebra (3)** Equations and inequalities, graphing, polynomial, rational, exponential, logarithmic, and other functions; matrices and systems of equations. Only one of SMTH 121 and 126 may be used to satisfy a mathematics requirement for general education or major credit. Prerequisites: appropriate score on placement test and high school Algebra I and II. For students who need a more intensive study, an expanded version of college algebra (SMTH 121A) is available. SMTH 121A is open to students who have an appropriate score on the placement test, have completed SMTH 120 with the mandatory lab, or if the student, in consultation with his or her advisor, determines that extra instruction is needed in order to succeed in SMTH 121.

**SMTH 122. Calculus for Management and Social Sciences (3)** Derivatives and integrals of elementary algebraic, exponential and logarithmic functions; maxima, minima, rate of change, area under a curve, and volume. Problems and examples are drawn from a variety of areas which include economics, psychology, biology, geography, and geology. Prerequisite: SMTH 121, 126 or eligibility for exemption from SMTH 121.

**SMTH 126. Precalculus I (3)** Subsets of the real number line; polynomial, rational, absolute value, exponential and logarithmic relations and functions. Only one of SMTH 121 and 126 may be used to satisfy a mathematics requirement for general education or major credit. Prerequisites: appropriate score on placement test and three years of college preparatory mathematics; or a "C" or better in Mathematics 099 and three years of college preparatory mathematics.

**SMTH 127. Precalculus II (3)** Trigonometric functions, trigonometric identities, solution of equations and triangles, inverse trigonometric functions, vectors, polar coordinates; analytic geometry. Prerequisite: appropriate score on placement exam or consent of instructor. Prerequisite or Corequisite: SMTH 126.

**SMTH 141. Calculus I (4)** Limits, continuity, the derivative, differentiation with applications in the natural sciences and engineering, antiderivatives, basic integrals with applications. Prerequisites: appropriate score on placement test and 4 years of college preparatory mathematics including trigonometry; or C or better in both SMTH 126 and 127; or consent of instructor.

**SMTH 142. Calculus II (4)** Applications of integration, techniques of integration, differential equations, parametric equations, and finite sequences and series. Prerequisite: SMTH 141 or its equivalent.

**SMTH 174. Elements of Discrete Mathematics (3)** Topics in basic logic; proof techniques; sets, relations, and functions; counting; and elementary number theory.

Prerequisite: high school precalculus, or SMTH 126 or equivalent, or consent of the instructor.

**SMTH 202. Elementary Statistics II (3)** An expansion of topics taught in the first semester of elementary statistics such as hypothesis testing; inferences; correlation and regression. Additional topics to be covered include: multinomial experiments and contingency tables; analysis of variance; statistical process control; and individual projects. Prerequisites: SMTH 102, or SECO 291, or SSOC 201, or SPSY 225.

**SMTH 231. Basic Concepts of Elementary Mathematics I (3)** The meaning of number, fundamental operations of arithmetic, the structure of the real number system and its subsystems, elementary number theory. Open only to students in early childhood, elementary, middle grades, or special education. Prerequisite: Grade of C or better in SMTH 121 or higher, not including statistics, or consent of the instructor.

**SMTH 232. Basic Concepts of Elementary Mathematics II (3)** A continuation of the development of the real number system and its subsystems, basic concepts of probability, and elementary data analysis. Open only to students in early childhood, elementary, middle grades, or special education. Prerequisite: Grade of C or better in SMTH 231 or consent of the instructor.

**SMTH 233. Geometry and Measurement (3)** A study of properties and relationships of shape, size, and symmetry in two and three dimensions; explorations of concepts of motion in two and three dimensions through transformations. Open only to students in early childhood, elementary, middle grades, or special education. Prerequisite: SMTH 231 or higher with a grade of C or better, or consent of the instructor.

**SMTH 241. Calculus III (4)** Vectors and geometry of space, vector functions, partial derivatives, multiple integration, vector calculus and second order differential equations. Prerequisite: C or better in SMTH 142 or its equivalent; or consent of instructor.

**SMTH 244. Calculus IV (3)** Geometry of three-dimensional space, vectors, partial differentiation, cylindrical and spherical coordinates, and multiple integration. Prerequisite: SMTH 243.

**SMTH 245. Elementary Differential Equations (3)** Ordinary differential equations of first order, higher order linear equations, Laplace transform methods, series methods; numerical solutions of differential equations; applications to the physical sciences and engineering. Prerequisite: SMTH 241.

**SMTH 315. Statistical Methods I (3)** Concepts and methods of statistics with emphasis on applications for those who desire a working knowledge of statistics; review of probability, sampling, and descriptive statistics; study of estimation of population parameters, testing statistical hypotheses, regression and correlation, and non-para-

metric statistical tests. Prerequisite: SMTH 102 or 143, or SECO 291, or SSOC 201, or SPSY 225, or consent of the instructor.

**SMTH 320. Mathematical Modeling (3)** Graphs of functions as models, modeling using proportionality and geometric similarity, model fitting and models requiring optimization, experimental modeling, modeling using the derivative and interactive dynamic systems. Prerequisite: SMTH 141.

**SMTH 340. Mathematical Structures and Proof (3)** Topics in set theory, logic, elementary application of logic, methods of mathematical proofs, equivalence relations and partial orderings, functions and mappings, and number systems. Prerequisite: SMTH 142.

**SMTH 344. Matrix Algebra (3)** Matrices, systems of linear equations, vectors, Euclidean vector spaces, linear transformations, eigenvalues and eigenvectors. Prerequisites: SMTH 142 or consent of instructor.

**SMTH 345. Applied Partial Differential Equations (3)** Basic linear Partial Differential Equations (PDEs) of hyperbolic, parabolic, and elliptic types used in mathematical modelling of physical, chemical, biological and other phenomena, systems, technical devices and financial markets. Selected topics such as the boundary value and initial value problems are covered. Prerequisite: C or better in SMTH 245 or consent of instructor.

**SMTH 346. Introduction to Modern Algebra (3)** Introduction to groups, rings and fields. Topics covered include permutations, Lagrange's theorem, the fundamental homomorphism theorem, Cayley's theorem, polynomial rings, and Abelian groups. Prerequisites: SMTH 340 or consent of instructor.

**SMTH 354. Real Analysis I (3)** Ordered field properties of the real number system; completeness; theory of limits of sequences, series and functions; continuity (including uniform continuity); introduction to theory of the derivative. Prerequisites: SMTH 340; or Corequisite: SMTH 340 and consent of instructor.

**SMTH 374. Theory of Discrete Mathematics (3)** Topics selected from theoretical Boolean algebra, algebraic structures, theory of computing, advanced set theory, and recursive functions. Prerequisites: SMTH 142, SMTH 174, or consent of the instructor.

**SMTH 399. Independent Study (1-9)**

**SMTH 444. Elements of Optimization (3)** The methods of the numerical solutions of optimization problems arising in operational research, logistics, economics, etc. Emphasis is on the simplex and Karmarkar's polynomial-time method. Prerequisites: C or better in both SMTH 241 and SMTH 344 or consent of instructor.

**SMTH 501. History of Mathematics (3)** A survey of the major developments and procedures of mathematics, from

its origins to the modern era, relating development with the diverse cultures and the aspects of mathematics they contributed. Prerequisites: SMTH 142 or consent of instructor.

**SMTH 512. Probability and Statistics (3)** Sample spaces and probability, conditional probability and independence, discrete and continuous random variables, probability distributions, expectations, correlation, sampling and sampling distributions, interval and point estimation, the law of large numbers, limiting distributions, and order statistics. Prerequisite: SMTH 241 or consent of the instructor.

**SMTH 516. Statistical Methods II (3)** Experimental design, analysis of variance, analysis of covariance, multiple linear regression, and curvilinear regression. Prerequisite: SMTH 315 or consent of the instructor.

**SMTH 531. Foundations of Geometry (3)** Geometry as a logical system based upon postulates and undefined terms; fundamental concepts and relations of Euclidean geometry developed rigorously on the basis of a set of postulates; some topics from non-Euclidean geometry. Prerequisite: SMTH 340 or consent of the instructor.

**SMTH 544. Linear Algebra (3)** Vector spaces, and subspaces; bases and dimension; change of basis; linear transformations and their matrices; diagonalization; canonical forms; bilinear forms; eigenspaces. Prerequisite: SMTH 340, SMTH 344.

**SMTH 546. Algebraic Structures (3)** Advanced topics in groups, rings and fields. These topics include polynomial rings, ideals, integral domains, extension field, isomorphism theorems for groups, and p-groups. Prerequisite: SMTH 346.

**SMTH 552. Complex Variables (3)** Complex numbers and functions, complex integration, Taylor and Laurent series, residues, and conformal mapping. Prerequisite: SMTH 340 or consent of the instructor.

**SMTH 554. Real Analysis II (3)** Further development of the theory of differential and integral calculus including properties of the derivative and integral, Fundamental Theorem of Calculus, sequences and series of functions. Prerequisite: SMTH 354.

**SMTH 560. Numerical Analysis I (3) (=SCSC 560)** Difference calculus; direct and iterative techniques for matrix inversion; eigenvalue problems; numerical solutions of initial value problems in ordinary differential equations; stability; error analysis; laboratory applications. Prerequisites: SMTH 245, 344 and programming competency.

**SMTH 561. Numerical Analysis II (3)** The finite-difference and finite element methods for the numerical solution of basic linear Partial Differential Equations (PDEs) arising in mathematical modelling of physical, chemical, biological and other phenomena, systems, technical devices and financial markets. Prerequisites: C or better in both SMTH 345 and SMTH 560; or consent of instructor.

**SMTH 579. Introduction to Industrial Mathematics (3)**

Basic applications of PDEs, numerical methods for PDEs and scientific computing to applied problems arising in the natural sciences, industry, and financial engineering. Emphasis is on the formulation and solution of problems of heat transfer and diffusion equations, Maxwell's equations and differential equations governing the financial derivatives. Prerequisite: C or better in both SMTH 345 and SMTH 561 or consent of instructor.

**SMTH 598. Topics in Mathematics (3)** Intensive study in an area of pure or applied mathematics such as mathematical modeling. Topics are selected to meet current faculty and student interest. Prerequisite: SMTH 241 and consent of the instructor.

**SMTH 599. Seminar in Mathematics (3)** Recent developments in pure and applied mathematics at an advanced level; ethical issues; and experience in research and oral presentation. Prerequisite: Senior Standing. Prerequisites or corequisites: SMTH 344, SMTH 346, and either SMTH 315 or SMTH 512.

**Military Science (SMIL)**

*Note: Military Science offers a Basic Program and Advanced Program. There are no prerequisites for the courses offered under the Basic Program. Courses may be taken in any order, but it is recommended that the 100-level courses be taken prior to the 200-level courses. Prerequisites for entering the Advanced Program include one of the following: satisfactory completion of six semester hours in the Basic Program, 90 contact hours in ROTC activities, substitute military experience (Basic Training/Advanced Individual Training), or three years of JROTC. Successful completion of the Advanced Program, together with a college degree, qualifies the graduate for either a Reserve or Regular Army Commission as a Second Lieutenant in the U.S. Army. Advanced Program students are required to participate in the weekly Military Science Lab. Students in the basic program are encouraged to participate in the department's adventure training.*

**Basic Program**

**SMIL 101. Introduction to Leadership I (1)** Competencies critical for effective leadership. Cadets learn life skills, such as critical thinking, goal setting, time management, physical fitness, and stress management related to leadership, officership, and the army profession. Focus is on developing basic knowledge and comprehension of army leadership dimensions while gaining an understanding of the Reserve Officer Training Course (ROTC), its purpose for the army, and its advantages for the cadet. Open to all freshmen.

**SMIL 102. Introduction to Leadership II (1)** Leadership fundamental such as setting direction, problem solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Open to all freshmen.

**SMIL 141. Leadership Lab (1)** Application of skills acquired in assigned military science classes. Leadership labs

meet for 3 hours per week at varying off-campus locations to maximize training opportunities. The labs are sequential and progressive in nature, and correspond with every level of the military science classes. Lab participation is mandatory for all contracted cadets regardless of academic classification. Open to all students enrolled in military science courses. Course may be repeated for additional credit.

**SMIL 201. Foundations of Leadership I (2)** Dimensions of creative and innovative tactical leadership strategies and styles. Cadets study team dynamics and historical leadership theories that form the basis of the army leadership framework and learn techniques of personal motivation and team building in the context of planning, executing and assessing team exercises. Cadets are encouraged to participate in leadership labs to demonstrate comprehension of class materials. Focus is on continues development of the knowledge of leadership values and attributes through an understanding of rank, structure, and duties, and basic aspects of tactics and land navigation. Open to all sophomores.

**SMIL 202. Foundations of Leadership II (2)** Team-building and leadership theory, personal communications skills, team goal-setting and time-management skills. Cadets will explore the conduct of tactical operations at small unit levels. As potential army officers, cadets will be challenged to study, practice, and execute army leadership and values as they become more familiar with the army. Participation in leadership labs is highly encouraged for all enrolled cadets. Open to all sophomores.

**Advanced Program**

**SMIL 301. Tactical Leadership (3)** The study, practice, and evaluation of adaptive leadership skills as they are presented with the demands of preparing for the ROTC Leader Development Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self awareness and critical thinking skills. Cadets analyze and evaluate their own leadership attributes, skills, and actions. Primary attention is given to preparation for LDAC and development of leadership abilities. Open to contracted juniors and seniors only. Prerequisites: SMIL 202 or consent of Professor of Military Science.

**SMIL 302. Applied Leadership (3)** Intense situational leadership challenges to build cadet awareness and skills in leading tactical operations. Cadets review aspects of combat, stability, and support operations. Cadets also conduct military briefings and develop proficiency in garrison operation orders. The focus is on exploring, evaluating and developing skills in decision making, persuading, and motivating team members in the contemporary operating environment. Open to contracted junior and graduate students only. Prerequisites: SMIL 301 or consent of Professor of Military Science.

**SMIL 401. Developmental Leadership (3)** Planning, executing, and assessing complex operations. Cadets function as staff members and provide leadership performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make ethical decisions, and



provide mentorship to subordinate cadets. Participants are responsible for analyzing and evaluating the leadership values, attributes, skills, and actions of military science cadets while simultaneously evaluating their own leadership skills. Attention is given to preparation for future military assignments. Open to contracted seniors and graduate students only. Prerequisites: SMIL 302 or consent of Professor of Military Science.

**SMIL 402. Adaptive Leadership II (3)** The dynamics of leading in complex ongoing military operations in the current operating environment. Cadets examine differences in customs and courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. They also explore aspects of interacting with governmental organizations, civilians on the battlefield, and host nation support. Significant emphasis is on preparing cadets for their first units of assignment. Pen to contracted senior and graduate students only. Prerequisites: SMIL 401 or consent of Professor of Military Science.

### Music Education (SMUE)

**SMUE 354. Music for Elementary and Middle Schools (3)** The integration of music into the elementary and middle school curriculum. An holistic approach to music as personal expression, aesthetic perception, critical analysis, and music as it influences cultural heritage.

### Music History and Literature (SMUS)

**SMUS 110. Introduction to Music (3)** Comprehensive appreciation of music through intelligent listening to representative masterpieces of the various periods of musical composition. No previous study of music is required. Three class hours per week.

**SMUS 111A. Applied Music in Bass (1)** Individual study in bass performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 111B. Applied Music in Trombone (1)** Individual study in trombone performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 111D. Applied Music in Percussion (1)** Individual study in percussion performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 111S. Applied Music in Saxophone (1)** Individual study in saxophone performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 111T. Applied Music in Trumpet (1)** Individual study in trumpet performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 111V. Applied Music in Voice (1)** Individual study in voice performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 125. Music Theory (3)** Materials of music including basic elements through triads, seventh chords, and modulation. Exercises in writing and analysis of music with emphasis on common practice.

**SMUS 126. Vocal Jazz Ensemble (1)** Performance and instruction in the vocal jazz idiom. Rehearsals, clinics, and performances are designed to increase the students knowledge of the jazz language. Prerequisite: Basic music reading skills and performance ability commensurate with music to be performed. Auditions may be required. May be repeated for additional credit.

**SMUS 127. Jazz Band (1)** Rehearsal and performance of jazz literature. Prerequisite: Basic music reading skills and performance ability commensurate with music to be performed. Auditions may be required. May be repeated for additional credit.

**SMUS 128. Gospel Music Workshop (1)** The directed performance of traditional and contemporary gospel music. No audition or prior experience is necessary.

**SMUS 129. University Singers (1)** Performing chorus for men and women. No previous experience required.

**SMUS 130G. Applied Music in Guitar (1)** Individual study in guitar performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Performance ability commensurate with music to be performed and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 130P. Applied Music in Piano (1)** Individual study in piano performance requiring weekly 30-minute lessons

for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Consent of instructor. Auditions may be required. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 131. Guitar Ensemble (1)** Rehearsal and performance of guitar ensemble literature including jazz, pop, and classical genres. Students gain experience through rehearsals, clinics, and live performance. Prerequisite: Basic music reading skills and performance ability commensurate with music to be performed. Students must provide their own instruments. Auditions may be required. May be repeated for additional credit.

**SMUS 132. Chamber Choir (1)** Rehearsal and performance of vocal and choral literature that is representative of various musical eras. Students will rehearse and study various techniques required for performance of choral literature not normally associated with larger choirs. Prerequisite: Performance ability commensurate with music to be performed and consent of instructor. Auditions may be required.

**SMUS 133. Pep Band (1)** Rehearsal and performance of pep band literature including traditional and contemporary genres. Students gain experience through rehearsals, clinics, and live performance. Prerequisite: Basic music reading skills and performance ability commensurate with music to be performed. Auditions may be required.

**SMUS 140. History of Rock Music (3)** Representative artists, cultural significance, and classic recordings in the development of rock music.

**SMUS 155, 156, 255, 256. Group Piano (2,2,2,2)** Piano technique including sight-reading, rhythmic studies, and piano literature from simple to advanced. The individual needs of students are considered in the levels of materials studied and performed.

**SMUS 165, 166, 265, 266. Class Voice (2,2,2,2)** Vocal technique including tone production, diaphragmatic breathing, technical studies, and song literature. The individual needs of students are considered in the levels of material assigned and performed. Corequisite: SMUS 129.

**SMUS 265, 266. Class Voice (2,2)** Vocal techniques including tone production, diaphragmatic breathing, technical studies, and song literature. The individual needs of students are considered in the level of material assigned and performed. Corequisite: SMUS 129.

**SMUS 301. Music History I (3)** A review of music from the Middle Ages through the classic era of the early nineteenth century focusing on composers and musical genres. Prerequisite: SEGL 102 or consent of instructor.

**SMUS 302. Music History II (3)** A review of music from the early nineteenth century through contemporary music focusing on composers and musical genres. Prerequisite: SEGL 102 or consent of instructor.

**SMUS 310. Jazz History (3)** Origin, development, and

styles of jazz music and its exponents. Cultivation of special listening techniques. Prerequisite: SEGL 102.

**SMUS 311A. Applied Music in Bass (1)** Individual study in bass performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311B. Applied Music in Trombone (1)** Individual study in trombone performance requiring weekly 30-minute lessons for 12 weeks and additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311D. Applied Music in Percussion (1)** Individual study in percussion performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311G. Applied Music in Guitar (1)** Individual study in guitar performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311P. Applied Music in Piano (1)** Individual study in piano performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311S. Applied Music in Saxophone (1)** Individual study in saxophone performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311T. Applied Music in Trumpet (1)** Individual study in trumpet performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 311V. Applied Music in Voice (1)** Individual study in voice performance requiring weekly 30-minute lessons for twelve weeks and an additional four hours per week of practice. An additional fee is assessed. Prerequisite: Intermediate to advanced performance ability and consent of instructor. Auditions may be required. May be repeated for additional credit. PLEASE NOTE: *Students who withdraw from this course will not receive a tuition or fee reimbursement or refund.*

**SMUS 322. Chamber Choir (1)** Small performing vocal group for men and women. Prerequisite: Intermediate music reading and performance ability commensurate with music to be performed. Auditions required.

**SMUS 325. Jazz Theory (3)** Technical aspects of jazz improvisation including harmonic substitutions, chord/scale relationships, analysis of harmonic progressions and solos, forms, piano voicings, and ear training. Prerequisite: Basic music reading ability.

**SMUS 326. Vocal Jazz Ensemble (1)** Performance and instruction in the vocal jazz idiom. Rehearsals, clinics, and performances are designed to increase the student's knowledge of the jazz language. Prerequisite: Intermediate music reading skills and performance ability commensurate with music to be performed. Auditions may be required.

**SMUS 327. Jazz Band (1)** Rehearsal and performance of jazz literature. Prerequisite: Intermediate music reading, performance ability commensurate with music to be performed, and consent of instructor. Auditions may be required. May be repeated for additional credit. Intended for students pursuing a Jazz Studies minor.

**SMUS 328. Gospel Music Workshop (1)** The directed performance of traditional and contemporary gospel music. Prerequisite: Previous gospel choir experience and performance ability commensurate with music to be performed. Auditions may be required.

**SMUS 331. Guitar Ensemble (1)** Rehearsal and performance of guitar ensemble literature including jazz, pop, and classical genres. Prerequisite: Intermediate music reading skills and performance ability commensurate with music to be performed. Auditions may be required.

**SMUS 333. Pep Band (1)** Rehearsal and performance of pep band literature, including traditional and contemporary genres. Students gain experience through rehearsals, clinics, and live performance. Prerequisite: Intermediate music reading skills and performance ability commensurate with

music to be performed. Auditions may be required.

**SMUS 345. Jazz Improvisation I (3)** Principles of improvisation including idiomatic chord progressions, blues scales, patterns, melodic development, and tune styles. This is primarily a lecture class; however, students may be required to demonstrate improvisational skills on their instrument. Prerequisite: SMUS 325 or consent of instructor.

**SMUS 346. Jazz Improvisation II (3)** Advanced principles of improvisation including idiomatic chord progressions, formal analysis of tunes, modal scales, melodic development, and aural skills. This is primarily a lecture class; however, students may be required to demonstrate improvisational skills on their instrument. Prerequisite: SMUS 345 or consent of instructor.

**SMUS 361. Music Business (3)** Publishing, licensing, booking, copyrights, contracts, artist management, promotional materials, royalties, and press kits applicable to the music industry. Prerequisite: SEGL 102 or consent of instructor.

**SMUS 364. Music Entrepreneurship (3)** Career choices and portfolio development in the commercial music industry. Prerequisite: Junior or senior class standing or permission of instructor.

**SMUS 398. Selected Topics in Music (3)** Reading and research on selected topics in music. Prerequisite: SEGL 102.

### **Nonprofit Administration (SNPA)**

**SNPA 201. American Humanities Workshop (1)** Application of nonprofit management principles through active participation in a student organization. May be repeated for a maximum of four semester hours.

**SNPA 301. The Nonprofit Sector in the United States (3)** The importance of the nonprofit sector in the United States emphasizing the history, the relationship to business and government and the place of the nonprofit sector within American society generally. Prerequisite: Sophomore standing (30 semester hours).

**SNPA 302. Nonprofit Administration (3)** The fundamentals of nonprofit administration to include leadership, legal foundations, board development, the role of volunteers, nonprofit advocacy and ethics.

**SNPA 303. Nonprofit Financial Administration (3)** Financial management within the nonprofit sector emphasizing strategic planning, budgeting, accountability, risk management and control. Prerequisite: SNPA 302 or consent of instructor.

**SNPA 304. Fund Raising for Nonprofit Organizations (3)** Fundamentals of resource development in the nonprofit sector including strategic planning, principles of philanthropy, proposal writing, event planning, and charitable trusts. Prerequisite: SNPA 302 or consent of instructor.

**SNPA 399. Independent Study (1-4)** An individualized, contracted program of study planned in conjunction with a faculty member. Prerequisites: SNPA 301 and consent of instructor.

**SNPA 495. Nonprofit Senior Seminar (3)** A capstone course in nonprofit administration emphasizing research and oral presentations. Prerequisites: SNPA 301, SNPA 302, SNPA 303, SNPA 499.

**SNPA 499. Nonprofit Internship (1-6)** Supervised work experience in a nonprofit organization. Forty-five hours of work for each credit hour are required. Prerequisites: SNPA 301, junior or senior standing and consent of instructor.

### **Nursing (SNUR)**

*Note: SNUR 301 and SNUR 302 are open to all students.*

**SNUR 301. Nutrition (3)** Nutritional needs across the life span and related strategies for promotion and maintenance of health. Concepts include nutrients, food groups, nutritional guidelines, sociocultural influences, nutritional assessment, basic nutritional counseling, and common diet modifications. Prerequisites: SBIO 242 or consent of instructor.

**SNUR 302. Pharmacology (3)** Concepts underlying the pharmacotherapeutics of major drug classifications, including pharmacokinetics, pharmacodynamics, adverse drug reactions, and fundamental nursing decision making situations as related to pharmacology. Drug dosage computation is included. Prerequisite: SBIO 242 or consent of instructor.

**SNUR 399. Nursing Externship (3-8)** A concentrated preceptored experience in nursing enabling the student to expand previous clinical practice experiences and further develop skills in clinical reasoning, critical thinking, organization, and prioritization. For three externship credit hours, a minimum of 135 hours of scheduled clinical experiences, weekly seminars, and consultation with the instructor are required. A minimum of 45 hours for each additional credit hour is required. A student may repeat SNUR 399 once in a different clinical setting for a total of not more than eight hours of undergraduate credit. Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P, and 370. Pass/fail credit.

### **Baccalaureate Nursing (SBSN)**

**SBSN 305. Health Promotion Across the Life Span (3)** Introduction to leading health indicators, emphasizing special health concerns based on gender, age, race, ethnic, origin in assisting self, individuals, and family to attain optimum health. Prerequisite: Completion of 6 hours in Group VIII General Education Requirement, with a minimum grade of C in each course.

**SBSN 306. Introduction to Professional Nursing (3)** Concepts and theories that have shaped professional nursing practice. Prerequisite: Admission to the Baccalaureate Nursing Program, Four-Year track. Prerequisite or Corequisite: SBSN 305.

**SBSN 310. Health Assessment (2)** Comprehensive health assessment of well individual clients across the life span. Emphasis is on data collection as a basis for critical thinking in nursing practice. For Four-Year track, Prerequisite: Admission to Baccalaureate Nursing Program; Prerequisite or Corequisite: SBSN 305, 306; Corequisite: SBSN 310P. For RN track, Prerequisite: Admission to Baccalaureate Nursing Program, or consent of instructor; Corequisite: SBSN 310P.

**SBSN 310P. Health Assessment Practicum (1)** Practice of concepts and skills used in comprehensive health assessment of well individual clients across the life span. Two campus laboratory hours per week. Corequisite: SBSN 310.

**SBSN 320P. Foundations of Nursing Practicum (3)** Application of knowledge and skills to implement basic nursing care. Practicum experiences provide for application of cognitive and psychomotor skills. Six practicum hours per week. Prerequisite: Admission to the Baccalaureate Nursing Program, Four-Year track; Prerequisites or Corequisites: SBSN 305, 306; Corequisite: SBSN 325P.

**SBSN 325P. Integrated Nursing Practicum (3)** Implementation of nursing process in health care environments for beginning integration of nursing knowledge and skills from health promotion, health assessment, nursing foundations, and introduction to professional nursing. Six practicum hours per week. Prerequisite: Admission to the Baccalaureate Nursing Program, Four-Year track; Prerequisites or Corequisites: SBSN 305, 306; Corequisite: SBSN 320P.

**SBSN 330. Health Alterations I (3)** Evidence-based nursing practice with adults experiencing health alterations, moving from simple to complex states of health and levels of care. Prerequisites: SBSN 310, 310P, 320P, 325P. Corequisite: SBSN 330P.

**SBSN 330P. Health Alterations I Practicum (2)** Implementation of evidence-based nursing practice, progressing in complexity, in a variety of settings with adults experiencing health alterations. Four practicum hours per week. Corequisite: SBSN 330.

**SBSN 340. Nursing of Childbearing Families and Women's Health (3)** Evidence-based nursing practice for women and parent-newborn dyad. Focus is on nursing interventions that promote, maintain and restore health of well and high-risk families during the childbearing process and women's health throughout the life span. Prerequisites or Corequisites: SBSN 330, 330P; Corequisites: SBSN 310, 320P, 340P.

**SBSN 340P. Nursing of Childbearing Families and Women's Health Practicum (2)** Implementation of concepts and skills to provide for families throughout the childbearing process and women throughout their life span. Practica are in traditional and non-traditional facilities. Four practicum hours per week. Corequisite: SBSN 340.

**SBSN 350. Professional Nursing Role Transition (3)** Theories of nursing, systems, family, teaching-learning, practice, education, role and change that are central to cur-

rent professional nursing practice. Prerequisite: Admission to the RN-BSN track. Corequisite: SBSN 350S.

**SBSN 350S. Professional Nursing Role Transition Seminar (3)** Web-based seminar focusing on role development in health promotion strategies and technology including development of teaching plans, plans of care, and family assessment. Prerequisite: Admission to the RN-BSN track. Corequisite: SBSN 350.

**SBSN 360. Child Health Nursing (3)** Evidence-based nursing practice for children. Emphasis is on health promotion, maintenance, and restoration, using a family-centered approach. Prerequisites or Corequisites: SBSN 310, 330, 330P; Corequisite: SBSN 360P.

**SBSN 360P. Child Health Nursing Practicum (2)** Implementation of evidence-based nursing practice for children and their families, in both acute care and community settings. Four practicum hours per week. Corequisite: SBSN 360.

**SBSN 370. Nursing Research (3)** Introduction to the language and underlying concepts as a basis for reading, understanding, and utilizing research as a source of evidence for guiding practice. For the Four-Year track, Prerequisites: SBSN 310, 310P, 320P, 325P. For RN-BSN track, prerequisite: SBSN 350, or consent of instructor.

**SBSN 399. Independent Study (1-3)** An individual learning experience in an area of special interest planned in conjunction with a nursing faculty member. For Four-Year track, Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P; or consent of instructor. For RN-BSN track, Prerequisite: SBSN 350; or consent of instructor.

**SBSN 410. Health Alterations II (3)** Builds upon Health Alterations I and continues to focus on evidence-based nursing practice, progressing in complexity, in a variety of settings with adults experiencing health alterations, moving from simple to complex states of health and levels of care. Six practicum hours per week. Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P, 370. Corequisite: SBSN 410P.

**SBSN 410P. Health Alterations II Practicum (3)** Builds upon Health Alterations I and related practicum and continues implementation of evidence-based nursing practice, progressing in complexity, in a variety of settings with adults experiencing health alterations. Six practicum hours per week. Corequisite: SBSN 410.

**SBSN 411P. Nursing Internship (2-4)** A guided practicum experience utilizing clinical decision-making skills in a health care setting. For two internship credit hours, a minimum of 90 hours of scheduled clinical experiences, seminars, and consultation with faculty are required. A minimum of 45 hours for each additional credit hour is required. For Four-Year track, Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P. For RN-BSN track, Prerequisites: SBSN 310, 310P, 350.

**SBSN 420. Current Topics in Nursing (3)** Intensive study in a specialized area of professional nursing or a

topic related to current health care practice. Selected area or topic is based on student interest and faculty expertise. Experiential learning activities may be required. For Four-Year track, Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P, 370; Prerequisites or Corequisites: SBSN 410, 410P. For RN Completion track, Prerequisites: SBSN 350, 350S, 310, 310P; Prerequisite or Corequisite: SBSN 370. Selected topics may be of interest to non-nursing majors. Non-nursing majors who have completed at least 60 credit hours, including completion of 6 hours of Group VIII General Education Requirements and one course which includes basic research methodology, and who have a collegiate summary GPA of 2.5 or higher may enroll with consent of the instructor.

**SBSN 430. Leadership in Nursing Practice (3)** Principles of leadership, management, and followership as they relate to the role of the professional nurse within the sociopolitical health care system. Emphasis is on first level management, team leadership, client advocacy, communication, critical thinking, decision making, role development within the profession, theoretical models, cultural diversity, and ethical leadership issues. For Four-Year track, Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P, 370; Corequisites: SBSN 410, 410P. For RN Completion track, Prerequisite: Admission to the BSN Program, Prerequisite or Corequisite: SBSN 350.

**SBSN 435P. Professional Nursing Role Transition Practicum (3)** A preceptored practicum that provides opportunities for RN-BSN track students to expand their current level of practice by focusing on the concepts of leadership, management, and clinical role development in a healthcare setting of the student's choice. Identification of a project focus, analysis of professional roles and incorporation of evidence-based practice are included. Eight practicum hours per week. Prerequisite: SBSN 430. Prerequisite or Corequisite: SBSN 370.

**SBSN 441. Psychiatric Mental Health Nursing (3)** Evidence-based psychiatric mental health nursing practice. Emphasis is on the promotion of mental health and prevention of mental illness, and on nursing interventions related to primary mental health alterations across the life span. Prerequisites: SBSN 330, 330P, 340, 340P, 360, 360P, 370. Prerequisite or corequisites: SBSN 410, 410P, 430. Corequisite: SBSN 441P.

**SBSN 441P. Psychiatric Mental Health Nursing Practicum (3)** Implementation of evidence-based psychiatric mental health nursing practice in a variety of settings. Emphasis is on promotion of mental health and prevention of mental illness and on nursing interventions with individuals and groups of clients experiencing mental health alterations. Six practicum hours per week. Corequisite: SBSN 441.

**SBSN 450. Health Alterations III (3)** Builds upon Health Alterations I & II and continues to focus on evidence-based nursing practice with adults experiencing health alterations, moving from simple to complex states of health and levels of care. For Four-Year track, Prerequisites: SBSN 410, 410P, 430, 441, 441P; Corequisite: SBSN 450P.

**SBSN 450P. Health Alterations III Practicum (2)** Builds upon Health Alterations Practica I & II and continues implementation of evidence-based nursing practice, progressing in complexity, in a variety of settings with adults experiencing health alterations. Four practicum hours per week. Corequisite: SBSN 450.

**SBSN 461. Community and Public Health Nursing (3)** Evidence-based nursing with individuals across the life-span, families and other diverse population groups. Levels of prevention are explored in relationship to epidemiology and the effects of environment and life-style on client health. For Four-Year track, Prerequisites or Corequisites: SBSN 450, 450P, 499P; Corequisite: 461P. For RN-BSN track, Prerequisites: SBSN 310, 310P, 350, 350S, 370; Corequisite: SBSN 461P.

**SBSN 461P. Community and Public Health Nursing Practicum (3)** Implementation of evidence-based community and public health nursing practice in health promotion, maintenance, and restoration in individuals across the life-span, families, and other diverse population groups in community settings. Six practicum hours per week. Corequisite: SBSN 461.

**SBSN 497. Professional Nursing Issues (2)** Critical exploration of interrelated historical, socio-political, and cultural issues impacting the professional nurse and the quality and delivery of health care. Prerequisite: final semester of the curriculum or consent of instructor.

**SBSN 498. Professional Nursing Role Transition Project (3)** Synthesis of knowledge from nursing, arts, and sciences through completion of a change project for a health care setting. Prerequisite: SBSN 435P.

**SBSN 499P. Senior Practicum in Professional Nursing (3)** Capstone practicum, in a precepted setting, that provides opportunities to synthesize and apply knowledge and skills necessary to function as a beginning professional nurse. Emphasis is on the application of evidence-based knowledge in planning, delivering and evaluating nursing practice consisting of 124 hours of practicum. Prerequisites: SBSN 410, 410P, 420, 430, 441, 441P. Prerequisites or Corequisites: SBSN 450, 450P, 461, 461P, 497. Pass/fail credit.

## Philosophy (SPHL)

**SPHL 102. Introduction to Philosophy (3)** Introduction to the main problems of philosophy and its methods of inquiry, analysis and criticism. Works of important philosophers are read.

**SPHL 201. History of Ancient Philosophy (3)** Introduction to the development of philosophy in the ancient world.

**SPHL 202. History of Modern Philosophy (3)** Introduction to the development of post-Renaissance philosophy with primary emphasis on the seventeenth and eighteenth centuries.

**SPHL 211. Contemporary Moral Issues (3)** Moral issues confronting men and women in contemporary society. Topics vary but may include discussion of problems related to abortion, drugs, euthanasia, war, social engineering, and punishment of criminals.

**SPHL 309. Philosophy of Mind (3)** A study of traditional problems pertaining to understanding the concept of mind, for example, the mind-body relation, personal identity, and theories of consciousness.

**SPHL 310. Ethics for the Professions (3)** Critical examination of selected moral issues and problems of current concern within the professions. Specific topics for study vary, but they are of special interest for the fields of medicine and health care, law and criminal justice, business, education and journalism.

**SPHL 311. Ethics (3)** The moral principles of conduct and the basic concepts underlying these principles, such as good, evil, right, wrong, justice, value, duty and obligation. The ethical works of influential philosophers are analyzed in terms of these concepts.

**SPHL 319. Epistemology (3)** The nature and foundations of knowledge with consideration of skepticism and problems of perception.

**SPHL 321. Ethics of Computer and Information Technology (3)** Moral issues raised by the use of computer and information technology. Topics include privacy, property rights, freedom of expression, and social justice. Prerequisite: Junior level standing or permission of the instructor.

**SPHL 390. Topics in Philosophy (3)** Selected topics in philosophy, planned around areas of interest. Prerequisite: junior or senior standing or consent of instructor.

**SPHL 500. Senior Seminar: Human Nature and Society (3)** Selected philosophical topics from history, anthropology, sociology, psychology and politics. Prerequisite: Senior level standing or consent of instructor.

## Physical Education (SPED)

**SPED 120. Fundamentals of Movement and Body Conditioning (1)** Development and improvement of basic axial and locomotor movements as they pertain to physical education activities with emphasis on agility, flexibility, strength and endurance through body conditioning. A fundamental knowledge of various fitness programs and terminology is included. Pass/fail credit.

**SPED 121. Golf (1)** Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass/fail credit.

**SPED 122. Tennis (1)** Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass/fail credit.

**SPED 123. Snow Skiing (1)** Basic maneuvers of conditioning, turning stopping, and selection and care of equipment and clothing. Pass/fail credit.

**SPED 124. Walk/Jog/Run (1)** Develop and carry out a personalized walking, jogging or running program by applying information on equipment selection, physiology, mechanics, psychology, training principles, conditioning, program guidelines, environmental concerns, nutritional guidelines, and injury prevention. Pass/fail credit.

**SPED 125. Combatives (1)** Skill development, strategy, knowledge of rules, scoring, and tournament competition in wrestling, judo, karate, and boxing. Pass/fail credit.

**SPED 126. Introduction to SCUBA Diving (1)** Basic techniques and skill development, care of equipment, and the principles and practices of safe SCUBA diving. Prerequisite: Ability to swim. Pass/fail credit.

**SPED 127. Handball and Racquetball (1)** Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass/fail credit.

**SPED 128. Aerobics (1)** Participation and development of impact and low-impact aerobic routines. Selection of exercises and music are included. Pass/fail credit.

**SPED 130. Bowling (1)** Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass/fail credit.

**SPED 131. Badminton (1)** Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass/fail credit.

**SPED 132. Basketball (1)** Skill development, playing strategy, knowledge of rules, scoring, and tournament play. Pass/fail credit.

**SPED 140. Adult Recreational Sports (1)** Methods and materials for teaching activities of carry-over value adaptable to junior and senior high facilities. Such activities as boating, fishing, hunting, camping, backpacking, skiing, and recreational games are included. Pass/fail credit.

**SPED 141. Adventure Programming on a Ropes Course (1)** Participation and development of specific group and individual attitudes and skills through the use of low and high elements of the USC Upstate ropes course. Pass/fail credit.

**SPED 142. Advanced Ropes Course Skills and Standards (1)** Advanced certification as ropes course facilitator. Knowledge and experience in the setup, spotting, and safety practices employed in state-of-the-art ropes course uses. Prerequisite: SPED 141. Pass/fail credit.

**SPED 143. Outdoor Climbing and Rappelling (1)** Skill development, safety, spotting, safety practices, and knowledge of and use of proper equipment. Pass/fail credit.

**SPED 180. Swimming (1)** Skill development, basic strokes, elementary diving, knowledge of water and pool safety. Pass/fail credit.

**SPED 200. Foundations of Physical Education (3)** The scope of the physical education field, historical background, principles, philosophy, current issues, professional leadership and publications.

**SPED 223. Advanced Snow Skiing (1)** Pole plant location, moguls, planning line, constant turns, and advanced trail skiing. Prerequisite: ability to snow ski. Pass/fail credit.

**SPED 235. Dance and Gymnastics (3)** Skills analysis, methods and techniques for organizing and teaching dance, gymnastics and tumbling, including opportunities for peer teaching experience. Prerequisite or corequisite: SPED 200 or SREC 200 or consent of instructor.

**SPED 242. Principles of Recreation (3)** The significance and meaning of leisure in modern society, theories of play, the recreational movement in the U.S., and programs of recreation in the school, community and industry.

**SPED 265. Officiating of Sports (3)** Rules, officiating techniques, and problems arising in officiating, with emphasis on major team sports. Students are encouraged to obtain official's rating.

**SPED 270. Introduction to Athletic Training (3)** Safety precautions, injury prevention, laboratory experiences, and legal issues in physical education and athletics. Prerequisite: SBIO 232.

**SPED 280. Swimming and Water Safety (1)** The teaching of swimming and water safety, skill mastery, lifesaving, pool hygiene, management, and safety. For advanced swimmers. Pass/fail credit.

**SPED 301. Exercise Physiology (4)** Physiological principles as applied to muscular activity and the effects of muscular activity on the human organism. Three class and three laboratory hours per week. Prerequisite: SBIO 232; SHED 221.

**SPED 302. Biomechanics (3)** Theory and techniques for analyzing motor performance, including cinematography, segmental analysis, and fundamentals of physical skills based on the laws and principles of mechanical and neuromuscular action. Prerequisite: SBIO 232.

**SPED 304. Motor Learning and Development (3)** Processes associated with acquisition of psychomotor skill and the neuromuscular function involved in the control of movement. The application of the developmental processes as it relates to motor learning is also explored. A practicum is required. Prerequisites SPED 200, SBIO 232.

**SPED 312. Teaching of Physical Education (4)** Orientation to teaching physical education in grades 6-12. Emphasis is on teaching styles, methods and curriculum. A practicum in the public schools is required. Prereq-

quisites: SPED 200, SHED 221, junior standing, and Physical Education majors only, or consent of instructor. Corequisite: SPED 320.

**SPED 320. Team Sports I (3)** Methods and materials for planning, teaching, and assessing the following team sports: basketball, volleyball, and flag football. Prerequisites: SPED 200 or SREC 200, SHED 221, and Physical Education majors only, or consent of instructor.

**SPED 390. Field Experience (1-3)** School or community experiences related to aspects of physical education. Prerequisites: sophomore standing and consent of adviser, instructor and dean.

**SPED 399. Independent Study (1-3)** Topics assigned and approved by adviser, instructor and dean.

**SPED 405. Teaching Elementary Physical Education (4)** Orientation to teaching physical education in grades PreK-5. Emphasis is on teaching styles, methods and curriculum. A practicum in the public schools is required. Prerequisites: SPED 312 and Physical Education majors only, or consent of instructor.

**SPED 415. Individual Sports (3)** Methods and materials for planning, teaching, and assessing the following individual sports: golf, bowling, and pickle ball. Prerequisites: SPED 200 or SREC 200, and SPED 320. Physical Education majors only or consent of instructor.

**SPED 420. Team Sports II (3)** Methods and materials for planning, teaching, and assessing the following team sports: soccer, softball, and floor hockey. Prerequisites: SPED 200 or SREC 200, SPED 320, and Physical Education majors only, or consent of instructor.

**SPED 445. Measurement and Evaluation of Physical Education (3)** History, basic statistical techniques utilized in scoring and interpreting tests, evaluation of measures now available in the field, and the administration of a testing program. Prerequisites: SMTH 201 or SPSY 225 or SSOC 220, fifteen hours in physical education theory courses and six hours of technique courses.

**SPED 450. Clinical Experience (1)** A supervised clinical experience in a selected physical education setting designed to address any deficit in the required 100 hours of pre-student teaching practicum experience. Prerequisites: SEDF 210, SPED 304, SPED 312, SPED 405, and the permission of the instructor.

**SPED 453. Organization and Administration of Physical Education (3)** Organization and management of instructional, intramural, interscholastic, and recreational programs, with emphasis on criteria for the selection and evaluation of activities. Prerequisites: fifteen hours in physical education theory courses and six hours of technique courses.

**SPED 455. Physical Fitness: Assessment and Prescription (3)** Principles of exercise testing and prescrip-

tion as they apply to fitness and performance, including the role of the health related components of fitness in performance, and/or physical fitness of normal and special populations, and the significance of cardiovascular programs through the life cycle. Prerequisites: SBIO 232; and SPED 200 or SREC 200. Prerequisite or corequisite: SPED 301.

**SPED 460. Issues and Trends in Physical Education (3)** The philosophical, historical, and legal foundations of physical education as manifested in current issues and trends. Prerequisite: Admission to Directed Student Teaching. Corequisite: SPED 479.

**SPED 462. Physical Education for the Exceptional Child (3)** Programs of developmental activity and guidance for students with restrictive disabilities. Included are techniques for appraising students with faulty body mechanics, orthopedic defects, and other atypical physical conditions along with methods of handling, within the regular physical education class, the various handicaps commonly found in the schools. Prerequisite: SBIO 232. Prerequisite or corequisite: SPED 301.

**SPED 479. Directed Teaching in Physical Education (12)** A supervised clinical experience normally consisting of seven weeks in an elementary school and seven weeks in a secondary school. The experience includes exploration of ethical issues, research through analysis and evaluation of teaching, and oral presentation of research results. Prerequisite: Approved application for directed teaching. Corequisite: SPED 460. Pass/fail credit.

## Physics (SPHS)

**SPHS 101. Introduction to Physical Science (3)** Introduction to the concepts, ideas, and methods of physical science with emphasis on the principles of classical and modern physics and chemistry. Prerequisite: SMTH 120 or higher, except statistics or higher placement in SMTH.

**SPHS 101L. Introduction to Physical Science Laboratory (1)** Experiments, exercises, and demonstrations to accompany SPHS 101. Prerequisite or corequisite: SPHS 101.

**SPHS 201, 202. General Physics I & II (4,4)** Mechanics, heat, sound, wave motion, electromagnetism, optics, and modern physics. Three class, one recitation, and two laboratory hours per week. Prerequisite for 201: SMTH 127 or consent of instructor. No previous background in physics is assumed. Prerequisite for 202: SPHS 201. SPHS 201.

**SPHS 211, 212. Essentials of Physics I & II (4,4)** Mechanics, heat, wave motion, electromagnetism, optics, and modern physics taught from a calculus level. Three class, one recitation, and two laboratory hours per week. Prerequisite or corequisite for 211: SMTH 144. Prerequisite for 212: Physics 211. SPHS 211.



## Political Science

*See Government and International Studies*

## Psychology (SPSY)

*Note: Psychology 101 is a prerequisite for all other psychology courses unless otherwise specified.*

**SPSY 101. Introduction to Psychology (3)** Survey of major topics in psychology (learning, perception, motivation, intelligence, etc.), and an introduction to methods used in psychological investigation.

**SPSY 225. Psychological Statistics (3)** Statistical principles, including measures of central tendency, variability, relative standing, probability, techniques of regression and correlation, statistical hypothesis testing, analysis of variance and nonparametric statistics with applications in the social sciences. Prerequisites: SPSY 101, SMTH 121 or higher, or consent of instructor.

**SPSY 300. Topics in Psychology (3)** Survey of a selected topic planned around an area of faculty interest. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 302. Developmental Psychology (3)** Introduction to life span developmental psychology providing an overview of cognitive, social, emotional, and physical development from conception to senescence. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 303. Psychology of Learning and Memory (3)** Introduction to basic principles and theories of learning and memory including such topics as habituation, classical and instrumental conditioning, verbal learning, social learning theory, behavior modification, and modeling. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 304. Cognitive Psychology (3)** Higher mental processes including such topics as pattern recognition, attention, memory, language perception and production, decision making, problem solving, concept formation and cognitive growth. Behavioral and neuropsychological perspectives are considered. Prerequisites: SPSY 101 or consent of instructor.

**SPSY 305. Sensation and Perception (3)** The basic principles involved in vision, audition, taste, smell and skin senses. Topics include the structure and function of the various sensory systems and related brain areas, measurement of sensory experiences, and perceptual information processing such as perception of color, pattern, movement, depth, music, and speech. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 307. Social Psychology (3)** The principles governing human interaction including factors such as group dynamics, leadership, prejudice and propaganda. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 308. Physiological Psychology (3)** Basic neural and endocrine processes and their correlation with behavior. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 309. Psychology of Personality (3)** The major theories of personality and the factors involved in the development of personality. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 310. Abnormal Psychology (3)** The nature of mental and emotional disorders including such topics as theories of emotional disorders and the causes and treatment of various disorders. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 311. Industrial and Organizational Psychology (3)** Survey of the theoretical and empirical foundations of human behavior in industries and organizations. Special consideration is given to applied problems as they relate to improving relationships between individuals and organizations. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 325. Research Methods for Psychology (4)** Introduction to research methods for the study of behavior. Lectures, class discussion, and laboratory exercises drawn from diverse areas of psychology are used to provide practical knowledge and skill in data analysis, experimental design, and writing technical reports. Prerequisite: SPSY 101 and SPSY 225, or consent of instructor.

**SPSY 330. Applied Psychology (3)** Introduction to the practical applications of psychology in such areas as mental health, industry, schools, law enforcement, and advertising. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 350. Psychology of Adjustment (3)** The process by which people adjust to the demands made upon them as a result of living with others. Basic processes of motivation and learning are examined, especially as these relate to the acquisition of the mechanisms of adjustment. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 351. Psychology of the Exceptional Individual (3)** Causes and characteristics of sensory, cognitive, and motor skills and the behavior and potential of exceptional individuals. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 399. Independent Study (1-6)** An individualized program of study planned in conjunction with a psychology faculty member. Prerequisite: SPSY 101.

**SPSY 400. Advanced Topics in Psychology (3)** Intensive study of a selected topic planned around an area of faculty or student interest. Prerequisite: SPSY 101 and one 300-level psychology class, or consent of instructor.

**SPSY 402. Experimental Topics in Psychology (4-8)** The formation of testable hypotheses, research strategies, data collection and analysis, critical evaluation and scientific documentation as applied to a particular content area in psychology (for example, development, learning and memory, social, physiological, personality, industrial and organizational). Laboratory experiences are an integral part of this course. Prerequisites: SPSY 101, SPSY 225, SPSY 325, and corresponding SPSY 300-level topic area course, or consent of instructor.

**SPSY 412. Theories of Counseling and Psychotherapy (3)** The different approaches to counseling and psychotherapy with emphasis on both theory and technique. Prerequisites: SPSY 101 and SPSY 309, or consent of instructor.

**SPSY 417. Psychological Tests (3)** Theory, development, and application of intelligence, achievement, aptitude, and personality assessment measures. Prerequisite: SPSY 101, SPSY 225, or consent of instructor.

**SPSY 420. Psychology of Men (3)** Investigation of the male role in society today, with an overview of the historical forces which have influenced the biological, cultural, social, cognitive, emotional, and sexual aspects of the male role. Prerequisite: SPSY 101, SPSY 300 level course, or consent of the instructor.

**SPSY 421. History and Systems of Psychology (3)** Historical roots of modern psychological theories and a survey of various present-day approaches. Prerequisite: SPSY 101, two 300-level psychology courses, and junior standing; or consent of instructor.

**SPSY 442. Psychology of Women (3)** Women's experiences, present day status and life-styles, and the biological and cultural antecedents of women's roles. Prerequisite: SPSY 101 or consent of instructor.

**SPSY 460. Human Sexual Behavior (3)** Psychological, physiological, and sociological factors in human sexual behavior and attitudes. Prerequisites: SPSY 101, junior or senior standing, or consent of instructor.

**SPSY 499. Psychology Internship (1-6)** Supervised work experience in community agency or hospital. Fifty hours of work for each credit hour are required. Prerequisites: Psychology major, SPSY 325 with a minimum grade of C, senior standing and consent of instructor.

**SPSY 502. Senior Seminar: Special Topics in Psychology (3-6)** Selected topics in psychology planned around areas of faculty interest and competence. Prerequisites: SPSY 101, SPSY 225, SPSY 325, or consent of instructor. In order to enroll in senior seminar, a student must have completed all of the prerequisite courses with a minimum grade of C.

## Recreation (SREC)

**SREC 200. Introduction to Recreation (3)** Evolution of leisure and recreation, overview of professional preparation, assistance in the development of personal uses of leisure, and a survey of the recreation professions in commercial, government, and voluntary organizations.

**SREC 201. Programming in Recreation (3)** Planning recreation and leisure activities through the use of human and material resources in public, private, and commercial recreation programs for all age levels. Activities include: sports, arts and crafts, cultural and performing arts, social functions, outdoor activities, and hobbies. Prerequisite: SREC 200.

**SREC 301. Administration of Recreation (3)** The organi-

zation, administration, supervision, planning, budgeting, and evaluation of recreational operations within most types of recreational agencies. Prerequisites: SREC 200 and 201.

**SREC 401. Lifetime Leisure (3)** Practical application of principles in the provision of leisure and recreation services throughout an entire life focusing on individual needs, the process of program planning for different age groups, resource development, and application strategies. Models are taken from successful programs in international, national, state, local and institutional settings. Prerequisites: SREC 200 and 201.

**SREC 462. Recreation for Selected Populations (3)** Practical application of principles in the provision of recreation services to populations limited in access to normal recreation programs. Focus is on individual populations and the respective barriers to participation, the process of program planning and resource development, and the practical experience of plan application. Prerequisite: junior standing.

**SREC 480A. Internship: Aquatics (6)** Guided practical experience in an elected, organized recreational setting giving on-site experience in planning, executing, and evaluating recreational programs within an aquatic setting. Prerequisite: junior standing.

**SREC 480B. Internship: Community/Organizations (6)** Guided practical experience in an elected, organized recreational setting giving on-site experience in planning, executing, and evaluating recreational programs within community and organizational settings. Prerequisite: junior standing.

**SREC 480C. Internship: Industrial (6)** Guided practical experience in an elected, organized recreational setting giving on-site experience in planning, executing, and evaluating recreational programs within an industrial setting. Prerequisite: junior standing.

**SREC 485. Senior Seminar (1)** The integration of knowledge of recreation and individual professional activity at an advanced level utilizing research, oral presentation, a series of discussions, conferences, and role-playing experiences related to the various aspects of organized recreation as a career. Internships, employment opportunities, ethical issues, and other related topics are reviewed.

## Religion (SREL)

**SREL 103. Comparative Religion (3)** Beliefs and principles of the major faiths of Asia, the Middle East, and Africa, viewed from historical, cultural, and theological perspectives.

**SREL 300. Asian Religious Traditions (3)** History, beliefs and practices of Hinduism, Buddhism, Confucianism, Taoism, Shinto and "popular" religion in Asia through modern times. Emphasis on the roles of religion in the history and culture of South Asian and East Asian societies. Prerequisite: Sophomore standing or consent of instructor.

**SREL 301. Western Religious Traditions (3)** History, beliefs, values and practices of Judaism, Christianity and

Islam through modern times, with a comparative perspective on law, institutions, scripture, gender and religious thought. Prerequisite: Sophomore standing or consent of instructor.

**SREL 360. Modern Islam (3)** Modern history, beliefs, values and practices of Muslim communities worldwide, with focus on contemporary Islamic approaches to law, institutions, politics, scripture, and gender. Prerequisite: Sophomore standing or consent of instructor.

**SREL 399. Topics in Religion (3)** Specific themes, regions, or traditions in religion. May be repeated for credit when topics vary. Prerequisite: Sophomore standing or consent of instructor.

### **Sociology (SSOC)**

*Note: Sociology 101 is prerequisite to all other sociology courses. Sociology 101, 301, 302 and 499 are core courses.*

**SSOC 101. Introduction to Sociology (3)** Introduction to the major theoretical and methodological perspectives used to explain, investigate and analyze social life.

**SSOC 201. Introduction to Statistics for the Social Sciences (3)** Fundamental principles of descriptive and inferential statistics as used in the social sciences, including measures of central tendency and variation, the normal approximation, probability, chance variability, estimation, hypothesis testing, and correlation.

**SSOC 301. Sociological Theory (3)** Roots and historical development of various sociological lenses as tools for examining the social world.

**SSOC 302. Sociological Research Methods (3)** Quantitative, qualitative and comparative methods used in social science research, focusing on research design, data collection and analysis, and ethical issues. Prerequisite or corequisite: SSOC 301 or consent of instructor.

**SSOC 310. Individual and Society (3)** Selected theoretical orientations, methodological procedures, and research findings pertaining to the relations between the individual and society.

**SSOC 311. Social Problems (3)** Content selected for contemporary importance and sociological relevance.

**SSOC 320. Sociology of Aging (3)** Processes of aging as a form of socialization and demographic reality, including institutional effects. The status of the elderly and the sources of prejudice and discrimination they experience are emphasized.

**SSOC 321. Animals and Society (3)** Sociological perspectives on human-animal interaction and the role of animals in society.

**SSOC 323. Urban Sociology (3)** Characteristics, causes, and impacts of city life. Different types of urban areas and

current issues are examined from comparative, historical, and global perspectives.

**SSOC 325. Social Movements (3)** Characteristics, causes, and impacts of social and political movements in the modern world. Different types of movements, including the American civil rights movement, are examined from comparative, historical, and global perspectives.

**SSOC 327. Population Dynamics (3) (=SGEG 340)** Issues in measurement of the distribution and development of human population. Applies the analytical methods used in accounting for the effects of births, deaths and migrations.

**SSOC 328. Social Demography (3)** Selected theoretical orientations, methodological procedures and historical perspectives related to the social analysis and context of demographic change.

**SSOC 329. Social Change (3)** Applies sociological lenses to current major social, cultural, economic, political, and global transformations, emphasizing their interrelationships.

**SSOC 330. Social Inequality (3)** Theoretical perspectives and research on the unequal distribution of wealth power, and prestige in social life on a global, national, and local scale. Attention is given to the impact of globalization on social stratification.

**SSOC 333. Race and Ethnic Relations (3)** Examines the basic concepts of race and ethnicity, relevant sociological theories, and their application to critical issues.

**SSOC 335. Sociology of Women (3)** Theoretical and methodological approaches to the study of women in societies. The importance of gender in defining women's roles is emphasized, along with the role of social institutions in contributing to the subordination of women as a group.

**SSOC 337. Gender and Society (3)** A sociological investigation of gender as a fundamental principle of social life. The interdependence of gender constructions and of societies' inequality structures across social institutions is explored.

**SSOC 339. Women and Armed Conflict (3)** Women's lives in the context of armed conflict examined from comparative, historical and global perspectives.

**SSOC 341. Sociology of Families (3)** Methods and theories used in the examination of intimate human relationships, including parenting, violence and abuse, and divorce and remarriage. Emphasizes the social factors that bring about change in family-related behaviors and create diversity in family forms.

**SSOC 343. Political Sociology (3)** The societal conditions affecting political ideas, institutions, and practices. The role of politics in society is examined from comparative, historical, and global perspectives.

**SSOC 345. Sociology of Religion (3)** The societal conditions affecting religious beliefs, institutions, and practices.

The role of religion in society is examined from comparative, historical, and global perspectives.

**SSOC 347. Sociology of Organizations and Work (3)** Sociological investigation of how post-industrial society and globalization impact the workplace, jobs, workers, gender, families and communities. The role of leadership in organizations is also examined.

**SSOC 351. Social Deviance (3) (=SCRJ 423)** Theories, methods and substantive issues in the creation, involvement, recognition and control of deviance. Sociological theories and pertinent research data are integrated in the context of contemporary societal issues.

**SSOC 353. Sociology of Crime (3)** Social factors in the development, identification, and treatment of crime and criminals.

**SSOC 355. Juvenile Delinquency (3) (=SCRJ 351)** Social factors in the development, identification and treatment of delinquents and juvenile delinquency in the context of juvenile justice systems.

**SSOC 357. Sociology of Mental Health and Mental Illness (3)** Social factors in the development, identification, and treatment of mental illness.

**SSOC 391. Special Topics (3)** Emerging issues in contemporary sociology. Selected topics organized around faculty and student areas of special interest. This course can be taken more than once if the topic is different.

**SSOC 395. Internship (3)** Supervised work experience in a community agency based on an individualized, contracted program planned in conjunction with the relevant sociology faculty member. Ten hours per week in the field placement, at least three class meetings, and a formal, written sociological analysis of the field experience are required. The course may be taken more than once, but may be applied toward major credit in sociology only once. Normally offered every spring semester.

**SSOC 399. Independent Study (1-6)** An individualized, contracted program of study planned in conjunction with a sociology faculty member.

**SSOC 499. Senior Seminar (3)** A capstone course designed around topics selected by faculty. Emphasis is on research with written and oral presentations. Prerequisites: SSOC 301, 302, and 12 additional hours of upper level sociology with a C or better and statistics.

### Spanish (SSPN)

*Note: Unless otherwise indicated, readings, lectures and discussion in foreign language courses above the elementary level are principally in the language concerned. Incoming students with previous experience in a foreign language must take a placement test.*

**SSPN 101. Introductory Spanish I (3)** Fundamentals

of the language and culture through speaking, listening, reading, and writing. Admission to SSPN 101 is intended for those who have never studied Spanish previously.

**SSPN 102. Introductory Spanish II (3)** Fundamentals of the language and culture through speaking, listening, reading, and writing. Prerequisite for SSPN 102 is SSPN 101.

**SSPN 201. Intermediate Spanish (3)** Review of the basic principles of the language, with emphasis on reading, writing, and oral skills. Prerequisite: SSPN 102 or placement through testing.

**SSPN 202. Intermediate Spanish (3)** Review of the basic principles of the language, with emphasis on writing, oral skills, and the reading of literary and other authentic texts. Prerequisite: SSPN 201 or placement through testing.

**SSPN 250. Selected Spanish Studies Abroad (3-6)** Development of intermediate level communication skills together with immersion in the culture of a foreign country. Prerequisite: SSPN 102 or consent of instructor.

**SSPN 301. Introduction to Hispanic Literature (3)** Reading Hispanic literary texts/literary criticism. Focus is on literary terms and their applications in close readings of Spanish and Spanish-American texts. Prerequisite: SSPN 202, or consent of instructor.

**SSPN 304. Hispanic Culture (3)** Readings and visuals on Hispanophone historical, economic, cultural and social developments in Latin America and the United States, taught in English. Prerequisite: SEGL 102 or consent of instructor.

**SSPN 309. Spanish Grammar and Composition (3)** Fundamental elements of the language and exercises in composition. Prerequisite: SSPN 202 or consent of instructor.

**SSPN 310. Spanish Conversation (3)** Development of oral skills, vocabulary and phonetic fluency through presentations, discussions and group activities. Prerequisite: SSPN 202 or consent of instructor.

**SSPN 311. Introduction to Non-Literary Translation (3)** Theoretical grounding and practical problems of professional translation (Spanish/English; English/Spanish). Translation of short legal, medical and commercial texts in their linguistic and cultural context and an overview of the translator profession in the USA are studied. Prerequisites: SEGL 252 and SSPN 202; or SSPN 309; or consent of the instructor.

**SSPN 312. Introduction to Interpreting (3)** General understanding of the problems for facilitating oral communication between monolingual speakers of English and Spanish. Develops basic skills for professional interpreting in its cultural context with practical exercises through role playing and the use of audio and audio visual material. Prerequisites: SSPH 201 and SSPN 202; or SSPN 310; or consent of the instructor.

**SSPN 315. Spanish for the Professions (3)** Practice in oral and written language pertinent to specific careers,

such as health care, criminal justice or business. Course may be repeated once with change in professional topic. Prerequisite: SSPN 202 or consent of instructor.

**SSPN 320. Spanish Civilization (3)** Culture and civilization of Spain. Prerequisite: SSPN 202 or consent of instructor.

**SSPN 321. Latin American Civilization (3)** Cultural heritage of the Latin American people from the pre-Columbian period to the present. Prerequisite: SSPN 202 or consent of instructor.

**SSPN 330. Survey of Spanish Literature I (3)** Representative authors and works from Medieval, Renaissance, and Golden Age Literature. Prerequisite: SSPN 301 or consent of instructor.

**SSPN 331. Survey of Spanish Literature II (3)** Major movements, principal authors, and representative works in Spanish literature since 1700. Prerequisite: SSPN 301 or consent of instructor.

**SSPN 332. Survey of Spanish American Literature I (3)** Representative authors and works from pre-Columbian times through the colonial era. Prerequisite: SSPN 301 or consent of instructor.

**SSPN 333. Survey of Spanish American Literature II (3)** Major movements, principal authors, and representative works from the nineteenth century to the present. Prerequisite: SSPN 301 or consent of instructor.

**SSPN 350. Selected Spanish Studies Abroad (3-6)** Development of advanced level communication skills together with immersion in the culture of a foreign country. Prerequisite: SSPN 202 or 250 or consent of instructor.

**SSPN 398. Topics in Spanish Language or Literature (3)** Intensive study in selected areas chosen by the instructor. Prerequisite: SSPN 301 or consent of instructor.

**SSPN 399. Independent Study or Internship (1-3)** Supervised professional experience or research outside the classroom. For three internship credit hours, a student is to work 135 hours with an approved agency; for two credit hours, 90 hours; for one credit hour, 45 hours. For an internship or for an independent study, a contract must be signed by the student and by the instructor of record and other designated faculty and administrators. A student may repeat SSPN 399 once with a different internship or independent study contract description for a total of no more than six hours of undergraduate credit. Prerequisites: GPA 2.0 overall, 2.5 in foreign language courses, and consent of faculty supervisor.

**SSPN 420. U.S. Latino Literature (3)** A core grouping of Latino authors who were either born or raised in the United States and whose texts are written primarily in English. The selected texts are bilingual. Prerequisite: SSPN 309 or consent of instructor.

**SSPN 431. Masterworks of Hispanic Literature (3)** Selected masterpieces written in Spanish. Selections are samplings of great literature from the Spanish-speaking world. Prerequisite: SSPN 301 or consent of instructor.

**SSPN 451. Second Language Acquisition (3)** An introduction to major learning theories with particular focus on those dealing with acquisition of a second or foreign language. Field experience is required. Prerequisite: SSPN 202.

**SSPN 453. Introduction to Romance Linguistics (3)** Descriptive and historical analyses of the Romance languages, beginning with their origins in Latin. Prerequisite: SSPN 309 or SFRN 309 or consent of instructor.

**SSPN 454. Spanish Linguistics (3)** Basic concepts and terminology essential to the study of Spanish phonology and phonetics, morphology, syntax, lexicon, semantics, language change and language variation. Prerequisite: SSPN 309 or consent of instructor.

**SSPN 490. Senior Seminar in Spanish (3)** Reading and research on selected topics designed to integrate knowledge, to explore ethical issues, and to gain experience in research and oral presentation. Prerequisite: three upper division Spanish literature courses. Corequisite: senior standing.

## Speech (SSPH)

**SSPH 201. Public Speaking (3)** Oral communication and speaking before an audience. Prerequisite: SEGL 102 or consent of instructor.

**SSPH 201H. Public Speaking Honors (3)** An in-depth consideration of theories and principles of speech construction, analysis and delivery. The writings of classical and contemporary philosophers, theorists and rhetoricians are considered. Intensive reading, writing, research, delivery and a service component are included. Prerequisites: SEGL 102; admission to honors program as a second year student or permission of director of honors program.

**SSPH 301. Theories and Principles of Human Communication (3)** Theories, principles and functions of human communication. Topics include culture, nonverbal communication, listening skills, self-disclosure, perception and interviewing. Prerequisites: SEGL 102 or consent of instructor.

**SSPH 303. Ethics in Human Communication (3)** An investigation of ethical principles relevant to interpersonal, small group and organizational communication. The relationship among philosophy, rhetoric, ethics and human communication is explored. Prerequisite: SSPH 301 or consent of instructor.

**SSPH 310. Interpersonal Communication (3)** The study of the communication process as a form of practical action between individuals. The classroom functions as an interpersonal laboratory to study and practice interpersonal skills through discussions, exercises and projects. Prerequisites: SSPH 201 or consent of instructor.

**SSPH 315. Conflict Resolution (3)** Theories, research and functions of conflict resolution strategies in interpersonal, organizational, and community settings. Topics include conflict analysis, conflict management skills, dispute transformation and alternative dispute resolution. Prerequisite: Junior standing or consent of instructor.

**SSPH 333. Advanced Public Speaking (3)** The principles and theories of speech composition. Areas of focus include rhetorical theory, strategic organization, evidence, reasoning and delivery. Prerequisite: SSPH 201 or consent of instructor.

**SSPH 340. Voice and Diction (3)** The analysis, evaluation, and improvement of speech based on the anatomy and physiology of the vocal mechanism, voice production, and articulation.

**SSPH 380. Intercultural Communication (3)** An introduction to the theory and practice of difference-based communication. Students investigate the communicative impact of significant cultural differences in values, perceptions and behavior. Prerequisite: SEGL 102.

**SSPH 398. Topics in Speech Communication (3)** A specific area of speech is explored. Individual topics are announced.

**SSPH 415. Mediation (3)** Concepts, skills and functions of mediation in interpersonal, organizational, and community settings. Topics include mediator styles and standards, principles of cooperation and problem-solving, and strategies for dispute transformation. SSPH 415L is available for additional credit. Prerequisite: SSPH 315.

**SSPH 415L. Mediation Laboratory (1)** Demonstrations, exercises and applications of procedures used to develop mediation skills. Two laboratory hours per week. Prerequisite: SSPH 415 or consent of the instructor.

**SSPH 440. Argumentation and Debate (3)** Fundamental principles, skills and ethics of argument. In-class debates required. Prerequisites: SSPH 201 or consent of instructor.

**SSPH 441. Debate Laboratory (1)** Participation in debate team activities, including research, construction of debate briefs, competition and travel. Weekly meetings are required. May be repeated for a total of four credits. Prerequisite: SSPH 440. Corequisite: Debate team membership.

**SSPH 448. Organizational Communication (3)** Theories, research and functions of communication in organizations, including communication practices and strategies in professional and social settings. Prerequisites: SSPH 201 or permission of the instructor.

**SSPH 450. Communicating for Social Change (3)** An introduction to theories and principles essential to understanding the communicative function and processes of social movements. The construction and presentation of persuasive messages intended to produce social change are emphasized. Prerequisite: SSPH 201.

## Statistics (SSTA)

**SSTA 410. Introduction to Probability Theory (3)** Laws of probability and sample space; discrete and continuous distributions; joint, marginal and conditional densities; moment generating functions; univariate and bivariate normal distribution. Prerequisite: C or better in SMTH 142 or consent of instructor.

**SSTA 413. Introduction to Stochastic Processes (3)** Markov chains; Poisson processes; introductory renewal theory, Brownian motion and stationary processes used in mathematical modelling. Prerequisite: C or better in SSTA 410 or consent of instructor.

## Theatre (STHE)

**STHE 161. Introduction to Theatre Art (3)** Understanding and criticism of dramatic literature, history, and production.

**STHE 170. Fundamentals in Acting (3)** The technique of body and voice control, improvisation, interpretation of characters, and characterization applied in scenes.

**STHE 260. Theatre Laboratory (1)** Participation in theatre production, including stage management, direction, costumes, makeup, lighting, sound, scenery, and business management. No formal class meetings. May be repeated for a total of four credits.

**STHE 301. Dramatic Theory and Criticism (3)** A philosophical, psychological and social theorist perspective. Analytical writing on topics such as social context and resonance of the drama, dramatic action, playwriting, dramatic illusion and Shakespeare is stressed. Prerequisite: SEGL 102 or consent of instructor.

**STHE 370. Voice for the Actor (3)** Group study of the voice in performance, using applied breath and resonance techniques aimed at enhancing vocal power for the actor or public speaker. Exercises and text work will be applied to voice techniques, creating a connection between the word image and vocal expression for the actor and public speaker. Prerequisite: SSPH 201; STHE 170 or consent of instructor.

**STHE 373. Fundamentals of Play Directing (3)** Text analysis and interpretation. The emphasis is on discovering the intention of the playwright and on blocking, including picturization and composition, culminating in each student's production of a one-act play for public presentation. Prerequisite: STHE 170

**STHE 374. Intermediate Acting (3)** Advanced scene and monologue performance including script analysis and character building. Plays of Classical Realists will be performed. Prerequisite: STHE 170.

**STHE 376. Stage Movement for the Actor (3)** Centering, body alignment and kinetic power influencing the projection of images and ideas. A studio warm-up and work-out developing the skills for the preparation of a variety of performance pieces demonstrating kinetic principles,

culminating in a public performance.

**STHE 377. Stagecraft (3)** Drafting, design and interpretation of drawings for structural components of sets, lighting and costumes. Using the current production as a laboratory, students will concentrate on such skills as the basics of set construction, the computerized lighting system and costume construction.

**STHE 378. Playwriting (3)** Script analysis and preparation, dialogue development, character construction and scene composition. Students write full length manuscripts and participate in a public performance of readings from the completed plays. Prerequisite: English 102.

**STHE 379. Lighting Design (3)** The design and drafting process of lighting for a stage production. Designing a lighting plot and the role of lighting as a design element will be included; a research project will be assigned. Prerequisites: SEGL 102; STHE 161 or consent of instructor.

**STHE 380. Scene Design (3)** Design and drafting processes necessary for theatrical scenic design. Text analysis, research and the design for various play genres will be included, as well as the use of computer assisted drafting. Prerequisites: SEGL 102; STHE 377 or consent of instructor.

**STHE 381. Stage Management (3)** Experiences in technical organization and backstage supervision of a production. Topics will include backstage responsibilities, production cues, and director/manager and cast/crew relationships. Prerequisites: SEGL 102; STHE 170 or consent of instructor.

**STHE 382. Theatre for Youth (3)** Creative drama methods for youth. A children's play will be produced and performed. Prerequisites: SEGL 102; STHE 170 or consent of instructor.

**STHE 383. Stage Combat (3)** Basic techniques of unarmed and armed fighting for the theatre, stressing punches, kicks, tumbling, and falls, in the context of scene work and safety. Prerequisite: STHE 170 or consent of instructor.

**STHE 385. Theatre History I (3)** History of theatrical production including major dramatic texts, dramatists, and dramatic theory. Included is a survey of stage and auditorium architecture, stage machinery, scenery, costuming, lighting, acting and directing from pre-history through the Italian Renaissance. Prerequisite: SEGL 102.

**STHE 386. Theatre History II (3)** History of theatrical production including major dramatic texts, dramatists, and dramatic theory. Included is a survey of stage and auditorium architecture, stage machinery, scenery, costume, lighting, acting and directing, from the Italian Renaissance to the modern era. Prerequisite: SEGL 102.

**STHE 398. Topics in Theatre (3)**

**STHE 399. Internship or Independent Study in Theatre (1-3)** Supervised professional experience of research

outside the classroom. For three internship credit hours, a student is to work 135 hours with an approved agency; for two credit hours, 90 hours; for one credit, 45 hours. For an internship or an independent study, a contract must be signed by the student and by the instructor of record and other designated faculty and administrators. A student may repeat STHE 399 once with a different internship or independent study contract description for a total of no more than six hours of undergraduate credit. Prerequisites: GPA 2.0 overall, 2.5 in major, consent of faculty supervisor and junior standing.

**STHE 401. Classical Styles in Acting (3)** Advanced study in the performance techniques and challenges particular to classical theatre. Applied scene work, focusing on the physical, vocal, and textual requirements for the performance of Shakespeare, Moliere, and Greek classical texts, will lead to the public performance of scenes and monologues. Prerequisite: STHE 170 or consent of instructor.

**STHE 402. Alternative Styles in Acting (3)** Advanced modes of performance and the physiological and vocal challenges particular to acting outside the realm of realism. Exercises will focus on physical approaches to building character through the context of scene work in Absurdist, Commedia, and other non-realist texts. Prerequisite: STHE 170 or consent of instructor.

**STHE 473. Advanced Play Directing (3)** Choosing text, casting, directing a collaborative team and exercising complete artistic control over all aspects of theatre production. Principles of actor coaching and staging technique culminate in the public presentation of a one act play with at least an hour's running time or a select act from a full-length manuscript. Prerequisite: STHE 373.

## University (SUNV)

**SUNV 101. The Student in the University (3)** The purposes of higher education and the potential role of an individual student within the university and other learning environments. Open to freshmen only. This course does not count toward graduation in some majors.

**SUNV 102. Freshman Orientation (1)** The successful transition into higher education through social, personal and academic development. Considered are topics and activities in study skills, time management, goal setting, careers, health and wellness, responsibility, cultural awareness, and the enhancement of the relationship between the faculty adviser and the student.

**SUNV 103. Freshman Orientation (1)** The successful transition into higher education through academic, social, and personal development. Considered are topics and activities in time management, goal setting, responsibility, and careers, with special emphasis on study skills. The academic performance of students, in all classes, is monitored throughout the semester. Required of academic skills students. (Students cannot receive credit for both University 103 and 102.)

**SUNV 201. Leadership Development I (2)** Various approaches to the definition of leadership and practical experience in building leadership skills. The critical questions of what is leadership, what are the qualities of a good leader, and what skills does a leader need are examined. Pass/fail credit.

**SUNV 202. Introduction to Leadership II (2)** Practical experience in building leadership skills within the context of community-based leadership. The focus is upon the most pressing needs for leadership within the community to allow students to become directly involved with a relevant project. Prerequisite: University 201.

**SUNV 301. Critical Analysis and Writing (3) (=SLGC 205)** The identification and evaluation of reasoning as it occurs in natural language uses. The techniques of careful reading and clear writing are demonstrated through the production of critical essays. Two lecture and one laboratory hour per week. Prerequisite: English 102 or equivalent.

**SUNV 310. Leadership Development Internship (1-4)** Practical application of leadership principles through a public service internship. Limited to participants in the Leadership Development Program. Prerequisite: SUNV 202.

**SUNV 390. Peer Leadership Practicum (1-3)** Application of specific guidance and teaching techniques while serving as a peer leader for University 101. Emphasis is placed on role modeling, group dynamics, creating classroom cohesion, using interactive teaching methods, and the importance of assessment. Acceptance into the peer leader program is required. Prerequisite: SUNV 101 or consent of instructor. May be repeated for additional credit for maximum of six hours.

**SUNV 398. Interdisciplinary Studies Internship (1-3)** Supervised work experience in a community agency or business based on an individualized, contracted program planned in conjunction with a faculty member and approved by the student's advisor. For three internship credit hours, a student is to work 135 hours with an approved agency; for two credit hours, 90 work hours; for one credit, 45 hours. A student may repeat SUNV 398 once with a different internship contract description for a total of no more than six hours of undergraduate credit. Prerequisites: junior standing, and approved internship contract. This internship cannot be used to meet concentration requirements for bidisciplinary and multidisciplinary concentrations.

**SUNV 399. Independent Study (1-6)** An individualized, contractual program of study planned in conjunction with a faculty member involved with the student's interdisciplinary program of study. May be repeated for a total of no more than six hours of undergraduate credit with consent of advisor. Prerequisites: junior standing or permission of instructor.

**SUNV 490. Senior Seminar in Interdisciplinary Studies (3)** Reading and research on selected topics designed to explore issues of broad interdisciplinary interest. Designed to integrate knowledge at an advanced level, explore ethical issues, and gain experience in research and oral presenta-

tion. Seminar topics vary. Prerequisites: senior standing and permission of IDS advisor. This course cannot be used to meet senior seminar requirements in bidisciplinary concentrations.

### Women's Studies (SWST)

**SWST 101. Introduction to Women's Studies (3)** Interdisciplinary theories, methods and issues comprising Women's Studies.

**SWST 301. Feminist Theory and Methods (3)** Philosophical exploration of feminist theories and feminist methods of inquiry. Prerequisite: SPHL 102 or SSOC 101 or SWST 101 or permission of instructor.

**SWST 355. U.S. Women's Movement (3)** In-depth, interdisciplinary perspectives on U.S. women's activism, actions and resistance strategies. Prerequisite: SWST 101 or SWST 301 or SGIS 350 or permission of instructor.

**SWST 398. Special Topics in Women's Studies (3)** Survey of a selected topic planned around a faculty or student area of interest. Prerequisite: SWST 101 or an upper division course primarily addressing women's issues.

**SWST 490. Senior Seminar (3)** Exploration, at an advanced level, of issues, topics, and dilemmas related to Women's Studies. Topics covered will vary depending upon the instructor. Prerequisites: senior standing, SWST 301 and other courses primarily addressing women's issues; permission of the instructor.

### Women's Studies Courses

The following courses have been approved as Women's Studies courses. Detailed descriptions are available under departmental listings.

SATH 301	Women and Art
SCRJ 376	Women and Crime
SEGL 437	Women Writers
SGIS 350	Women and American Politics
SGIS 420	Women and Politics: A Global Perspective
SHST 351	Women in Early Modern Europe and America
SHST 352	Women in Modern Europe and America
SHST 495	Topics in Women's History
SPSY 442	Psychology of Women
SSOC 335	Sociology of Women



## Transfer Course Equivalencies

The following courses are used for receiving appropriate level transfer credit to USC Upstate.

- SEGL 218 Introduction to Drama: An introductory course in reading and reviewing plays
- SEGL 225 Introduction to Poetry: An introductory course in the analysis of poetry
- SEGL 230 Images of Women in Literature: An introductory course of archetypes and stereotypes of women in literature
- SLGC 105 Basic Introduction to Logic: Introduction to the structure of argument, including symbolization, proof, formal fallacies, deduction and induction
- SPHL 131 Introduction to Ethics: Critical examination of normative theories of obligation and value using a variety of moral problems as units of analysis
- SCRJ 215 Issues and Ideas: State and Local Politics  
Introductory examination of systems and issues relating to city, county, and state government
- SSOC 102 Social Aspects of Marriage and Family: Introduction to the functions, processes, and problems of families
- SSOC 205 Introduction to Contemporary Social Issues: Introduction to selected current social issues and problems
- SSOC 206 Introduction to Social Psychology: Fundamental question about human behavior emphasizing the relationship between the individual and the group
- SCRJ 210 Introduction to Juvenile Delinquency: Introduction to fundamental questions regarding the development of deviant behavior as it applies to adolescents and their treatment within the criminal justice system (same as SSOC 210)
- SSOC 235 Introduction to Death and Dying: Introduction to the social aspects of death and dying, including rites and rituals of different societies
- SPHL 121 Moral Problems in the Modern World: Discussion of contemporary moral problems and related theoretical issues, focusing on such issues as sexual morality, punishment, abortion, racism, sexism, warfare and civil disobedience