SYRACUSE UNIVERSITY

SCHOOL OF EDUCATION

SELECTED STUDIES IN EDUCATION

COURSES AVAILABLE TO FIRST-YEAR STUDENTS

FALL 2010
Focus Area Course Selection

Based upon the Focus Area you chose on page 1, please select one focus area course. Be sure to list your first, second, and third choice on the Enrollment form.

Cultural Foundations of American Schooling: Schooling and Diversity

AAS 112  
Introduction to African American Studies in Social Sciences (3) Historical and sociopolitical materials. Approaches to studying the African American experience, antecedents from African past, and special problems.

AAS 231  
African American Literature to 1900: An Introduction (3) African American Literature and folklore from colonial days to 1900. Autobiographies, fiction, and poetry, including works by Wheatley, Douglass, Brown, Webb, Hopkins, Chesnutt, Dubois, Johnson and Washington.

CLS 105  
College Learning Strategies (3) Study and application of learning strategies in the context of lectures, reading, recitations and independent learning situations.

DSP 200  
Selected Topics: Introduction to Disability Studies (3) An introduction to the study and promotion of inclusive educational and social settings for people with disabilities.

SOC 248  
Ethnic Inequalities and Intergroup Relations (3) Identification of individuals and groups by self and others as members of ethnic categories. Consequences of ethnic identifications for individual, group and social interaction. Emphasizing ethnic inequalities, group interactions, social movements and change, racism, prejudice and discrimination.

SOC 281  
Sociology of Families (3) Families and their connections to other social and economic institutions. Diversity of family forms and experiences. Formation and dissolution of relationships. Trends and changes.

WGS 101  
Introduction to Women’s and Gender Studies (3) Gender as a critical inquiry relating to race, class and sexuality.

Pre-Teaching: Study of Teaching, Learning and Inclusion

DSP 200  
Selected Topics: Introduction to Disability Studies (3) An introduction to the study and promotion of inclusive educational and social settings for people with disabilities.

EDU 203  
Study of Elementary and Special Education Teaching (3) Techniques of inquiry into classroom and school practices. Topics, issues, values related to inclusive education. Application of observation skills in field or laboratory settings.

EDU 204  
Principles of Learning in Inclusive Classrooms (3) Understanding learning, learner similarities and differences in diverse populations; schools and classrooms as complex learning settings.
**Education, Technology, and Media**

DSP 200  **Selected Topics: Introduction to Disability Studies (3)** An introduction to the study and promotion of inclusive educational and social settings for people with disabilities.

IST 195  **Information Technologies (3)** State-of-the-art technologies in the field. Computer architectures, telecommunication networks, software design and application issues in information management and technology use.

IDE 200  **Integrating Technology in the Classroom (1)** Introduction of basic technology into the classroom.

**Post-secondary and Human Services Fields**

CFS 201  **Family Development (3)** Theoretical and functional approach to marital and family life with a developmental perspective. Issues related to marital and parental careers.

CFS 388  **Human Sexuality (3)** Basic issues and information.

COU 101  **Developmental Issues for College Age Adults (3)** Issues of college students such as time management, identity development, intimacy, sexuality, alcohol and drug use, conflict management, interpersonal communications, dealing with diversity, choosing a major and a career.

DSP 200  **Selected Topics: Introduction to Disability Studies (3)** An introduction to the study and promotion of inclusive educational and social settings for people with disabilities.

PSY 205  **Foundations of Human Behavior (3)** Fundamental principles of mental life and human behavior. Significance of psychology in human relationships and self-understanding.

SWK 115  **Introduction to Social Work (3)** Roles social workers assume in professional practice, social context within which practice occurs; major fields of practice, field trips to local agencies.

**Liberal Arts Distribution Course Selection**

Please choose one of the following courses. Please note that the Selected Studies in Education requires a two course sequence in math, science and foreign language.

**KEY:** H-Humanities  L-Language  Q-Quantitative  SM-Science and Mathematics  SS-Social Sciences

H AAS 231  **African American Literature to 1900: An Introduction (3)** African American Literature and folklore from colonial days to 1900. Autobiographies, fiction, and poetry, including works by Wheatley, Douglass, Brown, Webb, Hopkins, Chesnutt, Dubois, Johnson and Washington.
Global Encounters: Comparing World Views & Values Cross Culturally (3)
Predominant views of reality and values in the cultures of Asia, Africa, and the Americas. Humanistic study of cultures and nature of cross-cultural understanding.

Race and Literary Texts (3)
Construction and representation of “race,” especially as it affects the production and reception of literary and other cultural texts.

Ethnicity and Literary Texts (3)
Ethnicity in literary and theoretical texts. Emphasizing conceptual paradigms, social issues, and aesthetic considerations in the practice of reading texts from ethnically differentiated literary traditions.

Arts & Ideas I (3)
Visual arts in relation to broader cultural, historical and intellectual contexts. HOA 105 surveys the ancient world to the High Renaissance. HOA 106 proceeds from the late Renaissance to the present. Either course may be taken first or independently.

Understanding Music I (3)
The art of music. Development of music styles in the West from ancient Greece through the Middle Ages and Renaissance. Assumes no prior musical knowledge.

Performance Live (3)
The art and meaning of music/dance performance though dialogue with performers in the classroom and experience of performances in local settings, emphasizing both western and non-western traditions. No musical experience necessary.

Early Modern Europe, 1350-1815 (3)
Major characteristics of European political, social and cultural life from Middle Ages to advent of democratic revolutions.

Religions of the World (3)
The nature and significance of religion with human culture and existence as evidenced in various religions of the world both past and present.

Native American Religion (3)
Religious beliefs and practices of native Americans; the diversity as well as similarity of religious expression.

Introduction to Women’s and Gender Studies (3)
Gender as a critical inquiry relating to race, class and sexuality.

Arabic I (4)
Proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Arabic.

Chinese I (4)
Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Chinese. No prior experience or admission by placement testing.

Chinese III (4)
Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Chinese. Prereq: CHI 102 or admission by placement testing.
L  FLL 100  **Pashto I (4)** Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in P. No prior experience or admission by placement testing.

L  FRE 101  **French I (4)** Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in French. No prior experience or admission by placement testing.

L  FRE 102  **French II (4)** Continuing proficiency-based course which develops communicative abilities in speaking, listening, reading and writing in culturally authentic contexts. Activities are conducted in French. Prereq: FRE 101 or admission by placement testing.

L  FRE 201  **French III (4)** Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in French. Prereq: FRE 102 or admission by placement testing.

L  FRE 202  **French IV (4)** Continuing proficiency-based course which focuses on reading, discussing, and analyzing authentic texts as a basis for the expression and interpretation of meaning. Conducted in French. Prereq: FRE 201 or admission by placement testing.

L  GER 101  **German I (4)** Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in German. No prior experience or admission by placement testing.

L  GER 201  **German III (4)** Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in German. Prereq: GER 102 or admission by placement testing.

L  GRE 101  **Ancient Greek I (4)** Introductory course which prepares students to acquire a reading knowledge of Classical Attic Greek, focusing on morphology and syntax, and its role in the culture and literature of ancient Greek society. No prior experience or admission by placement testing.

L  GRE 201  **Ancient Greek III (4)** Continuing course with review of morphology and syntax and further study of idioms, rhetorical figures, and syntactic peculiarities. Reading and study of representative prose authors. Prereq: GRE 102 or admission by placement testing.

L  HEB 101  **Hebrew I (4)** Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Hebrew. No prior experience or admission by placement testing.

L  HEB 201  **Hebrew III (4)** Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Hebrew. Prereq: HEB 102 or admission by placement testing.

L  HIN 101  **Hindi/Urdu I (4)** Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Hindi/Urdu. No prior experience or admission by placement testing.
Hindi/Urdu III (4) Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Hindi/Urdu. Prereq: HEB 102 or admission by placement testing.

Italian I (4) Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Italian. No prior experience or admission by placement testing.

Italian III (4) Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Italian. Prereq: ITA 102 or admission by placement testing.

Japanese I (4) Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Japanese. No prior experience or admission by placement testing.

Japanese III (4) Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Japanese. Prereq: JPS 102 or admission by placement testing.

Latin I (4) Introductory course which prepares students to acquire a reading knowledge of classical Latin, focusing on morphology and syntax, and its role in the culture and literature of ancient Roman society. No prior experience or admission by placement testing.

Latin III (4) Continuing course with review of morphology and syntax and further study of idioms, rhetorical figures, and syntactic peculiarities. Reading and study of representative prose authors. Prereq: LAT 102 or admission by placement testing.

Polish I (4) Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Polish. No prior experience or admission by placement testing.

Polish III (4) Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Polish. Prereq: POL 102 or admission by placement testing.

Portuguese III (4) Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Portuguese. Prereq: POR 102 or admission by placement testing.

Persian I (4) Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Persian. No prior experience or admission by placement testing.

Persian III (4) Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>L RUS 101</td>
<td><strong>Russian I (4)</strong></td>
<td>Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Russian. No prior experience or admission by placement testing.</td>
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<tr>
<td>L RUS 201</td>
<td><strong>Russian III (4)</strong></td>
<td>Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Russian. Prereq: RUS 102 or admission by placement testing.</td>
</tr>
<tr>
<td>L SPA 101</td>
<td><strong>Spanish I (4)</strong></td>
<td>Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Spanish. No prior experience or admission by placement testing.</td>
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<tr>
<td>L SPA 102</td>
<td><strong>Spanish II (4)</strong></td>
<td>Continuing proficiency-based course which develops communicative abilities in speaking, listening, reading and writing in culturally authentic contexts. Activities are conducted in Spanish. Prereq: SPA 101 or admission by placement testing.</td>
</tr>
<tr>
<td>L SPA 201</td>
<td><strong>Spanish III (4)</strong></td>
<td>Continuing proficiency-based course which refines and expands previously acquired linguistic skills in culturally authentic contexts. Activities are conducted in Spanish. Prereq: SPA 102 or admission by placement testing.</td>
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<tr>
<td>L SPA 202</td>
<td><strong>Spanish IV (4)</strong></td>
<td>Continuing proficiency-based course which focuses on reading, discussing, and analyzing authentic texts as a basis for the expression and interpretation of meaning. Conducted in Spanish. Prereq: SPA 201 or admission by placement testing.</td>
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<tr>
<td>L SWA 101</td>
<td><strong>Kiswahili I (4)</strong></td>
<td>Introductory proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Kiswahili. No prior experience or admission by placement testing.</td>
</tr>
<tr>
<td>L SWA 201</td>
<td><strong>Kiswahili III (4)</strong></td>
<td>Continuing proficiency-based course which develops communicative abilities in speaking, listening, reading and writing in culturally authentic contexts. Activities are conducted in Kiswahili. Prereq: SWA 101 or admission by placement testing.</td>
</tr>
<tr>
<td>L TRK 101</td>
<td><strong>Turkish I (4)</strong></td>
<td>Proficiency-based course which prepares students to understand, speak, read and write in culturally authentic contexts. Activities are conducted in Kiswahili. No prior experience or admission by placement testing.</td>
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<tr>
<td>L TRK 201</td>
<td><strong>Turkish III (4)</strong></td>
<td>Continuing proficiency-based course which develops communicative abilities in speaking, listening, reading and writing in culturally authentic contexts. Activities are conducted in Turkish. Prereq: TRK 101 or admission by placement testing.</td>
</tr>
<tr>
<td>Q MAT 121</td>
<td><strong>Probability and Statistics for the Liberal Arts I (3)</strong></td>
<td>First in a two-course sequence. Teaches probability and statistics by focusing on data and reasoning. Includes displaying data, probability models and distribution. NOTE: A student...</td>
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cannot receive credit for MAT 121 after completing STT 101 or any MAT course numbered above 180 with a grade of C or better.

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<tr>
<td>Q MAT 194</td>
<td><strong>Precalculus (3)</strong> Polynomial, rational, exponential and logarithmic functions. Analytical trigonometry and trigonometric functions. A student cannot receive credit for MAT 194 after receiving a grade of C or better in any calculus course.</td>
</tr>
<tr>
<td>Q MAT 221</td>
<td><strong>Elementary Probability and Statistics I (3)</strong> First of a two-course sequence. For students in the fields that emphasize quantitative methods. Probability, design of experiments, sampling theory, introduction of computers for data management, evaluation of models, and estimation of parameters. Credit not given for both MAT 221 and MAT 321.</td>
</tr>
<tr>
<td>Q MAT 285</td>
<td><strong>Life Sciences Calculus I (3)</strong> Functions and their graphs, derivatives and their applications, differentiation techniques, the exponential and logarithm functions, multivariable differential calculus including constrained optimization. MAT 285 may not be taken for credit after successful completion of MAT 284 or MAT 295. Prereq: Must have a C- or better in MAT 194 or equivalent.</td>
</tr>
<tr>
<td>Q MAT 295</td>
<td><strong>Calculus I (4)</strong> Analytic geometry, limits, derivatives, maxima-minima, related rates, graphs, differentials, exponential and logarithmic functions, mean-value theorem, integration. For science majors. MAT 295 may not be taken for credit after successful completion of MAT 286. Prereq: C- or better in MAT 194 or equivalent.</td>
</tr>
<tr>
<td>SM AST 101</td>
<td><strong>Our Corner of the Universe (4)</strong> Historical and modern understanding of the nature of the solar system. Includes laboratory with observations. May be taken with AST 104 in either order or independently.</td>
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<tr>
<td>SM BIO 105</td>
<td><strong>Technology Inspired by Nature: Learning from the Natural World (3)</strong> Investigations into how human technology has been and can be inspired by nature. Research process; production of novel adhesives, building materials, fabrics; solar power, biofuels, aerodynamics, computer design, artificial</td>
</tr>
<tr>
<td>SM BIO 121</td>
<td><strong>General Biology I (4)</strong> First course in a survey of biological concepts ranging from the molecular level to global ecology. Units include the nature of science, life chemistry, cell structure and function, photosynthesis and respiration, genetics and evolution.</td>
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<tr>
<td>SM BIO 211</td>
<td><strong>Introduction to Neuroscience (3)</strong> Foundations of neurobiology beginning with cellular neurobiology, moving on to integrative systems and ending with higher brain functions. Emphasizes understanding of nervous system operation. Lectures, discussion and demonstrations.</td>
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<tr>
<td>SM CHE 106</td>
<td><strong>General Chemistry Lecture (3)</strong> Fundamental principles and laws underlying chemical action, states of matter, atomic and molecular structure, chemical bonding, stoichiometry, properties of solutions, chemical equilibrium, and introductory thermodynamics. Descriptive chemistry in relation to theoretical principles.</td>
</tr>
<tr>
<td>SM CHE 107</td>
<td><strong>General Chemistry Laboratory (1)</strong> Experimental study of basic principles and techniques of chemistry. States of matter, determination of formulas and</td>
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</tbody>
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molecular weights, simple volumetric and gravimetric analysis, heats of reaction. Equilibrium, rates of reactions and qualitative analysis.

SM EAR 101  Dynamic Earth (4) Chemical, physical and biological processes and principles affecting the history and development of the earth. Lectures. Laboratory and field trips. Students may not receive credit for both EAR 101 and 105.

SM EAR 105  Earth Science (3) Scientific study of our planet, its history, and the processes that shape it and affect humans. Emphasis includes tectonics, continental surfaces, and climate. Lecture and recitation, no laboratory; no prerequisite. Intended for non-majors. Students may receive credit for either EAR 101 or 105 but not both.

SM EAR 111  Climate Change: Past and Present (3) Introduction to the science of climate change from the geological record and the last century. Major drivers of global climate measuring change, and forecasting future climate. Role of human activities in present climate.

SM EAR 117  Oceanography (3) A comprehensive introduction to the geology, physics, chemistry and biology of the world ocean and its impact on global climate and environmental concerns.

SM EAR 203  Earth Science System (4) An integrated view of interactions among earth’s systems (lithosphere, biosphere, hydrosphere, atmosphere) and the timescales over which they operate. Topics covered in the is course include: plate tectonics, atmospheric circulation, oceanic circulation, the greenhouse effect, the carbon cycle, the origin of the earth and life and climate.

SM GEO 155  The Natural Environment (3) Patterns of the physical phenomena at and near the surface of the earth. Surface configuration, climate, vegetation and soil and their areal interrelationships.

SM GEO 215  Global Environmental Change (3) Focusing on physical processes and patterns of environmental change, changes occurring as a result of human activities, and the social consequences of environmental change.

SM PHY 101  Major Concepts of Physics I (4) Explores the fundamental laws which govern the universe. Presents overview of basic ideas and contemporary research in physics. No science prerequisites, Knowledge of elementary algebra required. Includes Laboratory.

SM PHY 211  General Physics I (3) First half of a two semester introduction to classical physics including mechanics and thermal physics. Uses calculus. Knowledge of plane trigonometry required. Coreq: PHY 211 or PHY 215.

SM PHY 221  General Physics Laboratory I (1) Techniques of laboratory work: treatment of random errors, graphical representation of data. Experimental demonstration of principles of mechanics, thermodynamics and waves (of vector forces, conservatism of momentum and energy, thermal properties of gases) Coreq: PHY 221 or PHY 215.

SS AAA 101  Introduction to Asian/Asian American Studies (3) Examines how cross border transactions in Asia and between Asia and the United States and Canada have
shaped ideologies and politics, markets here and abroad, marriage, labor, personal, social, political and cultural identity.

SS AAS 112  **Introduction to African American Studies in Social Sciences (3)** Historical and sociopolitical materials. Approaches to studying the African American experience, antecedents from African past, and special problems.

SS ANT 111  **Introduction to Cultural Anthropology (3)** Economics, politics, religion, symbolism, rites of passage, developmental cycle and expressive culture. Required for Anthropology majors.

SS ANT 121  **Peoples and Cultures of the World (3)** Case studies of global cultural diversity. Exploration of daily life, rites of passage, marriage, family, work, politics, social like, religion, ritual, and art among foraging, agricultural, and industrial societies.

SS HST 101  **American History to 1865 (3)** Founding and development of institutions. The Revolution and the new nation. Problems of growth and sectionalism. Challenge to the union.

SS MAX 132  **Global Community (3)** Dynamics of worldwide society and its cultures. Global economy and political order. Tensions within these realms. Attempts by different communities to either participate in or to hold themselves aloof from ‘global culture’.

SS NAT 105  **Introduction to Native American Studies (3)** Overview of critical issues in Native American Studies: colonization, religious freedom, environment, sovereignty, and politics of identity, interdisciplinary, comparative, and indigenous perspectives in relation to histories, societies and cultures.

SS SOC 248  **Ethnic Inequalities and Intergroup Relations (3)** Identification of individuals and groups by self and others as members of ethnic categories. Consequences of ethnic identifications for individual, group and social interaction. Emphasizing ethnic inequalities, group interactions, social movements and change, racism, prejudice and discrimination.