NOTE: The Deans of Undergraduate and Graduate Studies have final approval of these proposals.

**NEW**

**BIOL 446** Microbial Genomics (4); Regular; C-01; Spring 2011  
*Prerequisites: BIOL 401, 402, and 355 and consent of instructor.*  
Techniques in comparative microbial genomics, analyzing and annotating a novel microbial genome as a class project. Plus-minus letter grade only.

**CAD 210** Introduction to Child and Adolescent Development (3); Regular; C-02; Fall 2011  
*Prerequisite: ENG 114 or equivalent; consent of instructor.*  
Introduction to the sequence of typical development across all domains from prenatal to adolescence and application of developmental knowledge to inform practices and interactions with children and adolescents; focus on influences of culture, family, and the environment. Plus-minus letter grade only.

**CAD 430** Experiential and Activity Based Learning Seminar (2); Regular; C-02; Fall 2011  
*Prerequisites: declared CAD major; CAD 400, CAD 415, or consent of instructor; concurrent enrollment with CAD 431.*  
Development and implementation of an experiential learning activity for youth; incorporation of foundations of the youth development model. Plus-minus letter grade only.

**CAD 431** Experiential and Activity Based Learning Practice (2); Regular; C-78; Fall 2011  
*Prerequisites: declared CAD major; CAD 400, CAD 415, or consent of instructor; concurrent enrollment with CAD 430.*  
125 hours of supervised youth work in the community to practice the development, implementation of experiential and activity based learning opportunities. Plus-minus letter grade only.

**CAD 460** Globalization and Family Relations (3); Regular; C-02; Fall 2011  
*Prerequisites: declared CAD major; ENG 214, CAD 260, and CAD 210 or equivalents; or consent of instructor.*  
Exploration of concepts of globalization, migration, and transnationalism to understand families and family relations within the larger context of cultural and social influences. Plus-minus letter grade only.

**CAD 540** Ethics and Principles in Serving Youth (3); Regular; C-02; Fall 2011  
*Prerequisites: declared CAD major; CAD 400, or consent of instructor.*  
Understanding of practice and service provision, key ethical issues, the values that underpin them, and how youth work can be professionally conducted; ethics within the framework of ecological model. Plus-minus letter grade only.

**CAD 610** Early Childhood Internship Seminar (1); Regular; C-02; Fall 2011  
*Prerequisites: formal department approval, 150 hours documented in a licensed center, minimum overall GPA of 2.0, concurrent enrollment with CAD 611; restricted to CAD major with Early Childhood concentration.*  
Preparation for professional employment in organizations that serve young children and their families; discussion of issues with peers, reflection of initial classroom practices, identification of teaching strengths and weaknesses, and enhancement of own professional development. Plus-minus letter grade only.
CAD 611 Early Childhood Internship (2); Regular; C-78; Fall 2011
Prerequisites: formal department approval, 150 hours documented in a licensed center, minimum overall GPA of 2.0, concurrent enrollment with CAD 610; restricted to CAD major with Early Childhood concentration.
Preparation for professional employment in organizations that serve young children and their families; evaluation based on growth and development within standards, competencies and practices to best support development outcomes of children and management of classroom environments. CR/NC grading only.

CAD 630 Youth Work and Out of School Time Internship Seminar (1); Regular; C-02; Fall 2011
Prerequisites: formal department approval, CAD 430, CAD 431, minimum overall GPA of 2.0, concurrent enrollment with CAD 631; restricted to CAD major with Youth concentration.
Reflection on CAD 631 experience; sharing experiences; enhancing tools to promote professional development. Plus-minus letter grade only.

CAD 631 Youth Work and Out of School Time Internship (3); Regular; C-78; Fall 2011
Prerequisites: formal department approval, CAD 430, CAD 431, minimum overall GPA of 2.0, concurrent enrollment with CAD 630; restricted to CAD major with Youth concentration.
175 hours of supervised youth work in the community. The experience will be guided by measurable goals that are relevant to the community site and students’ aspiration. Plus-minus letter grade only.

CAD 640 Policy, Advocacy, and Systems Capstone Experience (4); Regular; C-02; Fall 2011
Prerequisites: formal department approval, minimum overall GPA of 2.0; restricted to CAD major with Policy, Advocacy, and System concentration.
Synthesize, integrate, and apply the knowledge students have gained during their previous coursework in the major. Learning experiences include a community service learning volunteer placement and completion of an online portfolio of academic work. Plus-minus letter grade only.

CINE 502 Avant-Garde Cinema and Media Arts in Latin America (3); Topic; C-03; Spring 2011
Prerequisites: CINE 311, 312, and 340/341.
Survey of twentieth century Latin American avant-garde cinema and media arts.

CINE 502 Avant-Garde Cinema (3); Topic; C-03; Spring 2011
Prerequisites: CINE 311, 312, and 340/341.
Radical experimentalism in film emphasizing social aesthetic modes (e.g., Dada, structuralist-materialist cinema), periods, and artists.

CINE 740 Gilles Deleuze (3); Topic; C-05; Spring 2011
Prerequisite: CINE 700 or equivalent and consent of instructor.
Exploration of the singular film theory of philosopher Gilles Deleuze and its implications for both classic film theory and contemporary ontologies of cinematic moving-images. Plus-minus letter grade only.

CINE 745 Film Style (3); Topic; C-05; Spring 2011
Prerequisite: CINE 700 or equivalent and consent of instructor.
Examination of selected aspects of concepts such as how does style or form affect content; how does film style changed with time; what relationship does style bear to narrative storytelling, documentary expression, or avant-garde practice? Plus-minus letter grade only.

GEOL 590 High Silica Magmas, Hydrothermal Fluids and Ore Deposits (1); Topic; C-05; Spring 2011
Prerequisite: GEOL 485/785 or consent of instructor.
Investigation of the occurrence and origin of high silica ore deposits, involving critical reading and analysis of the scientific literature. Plus-minus letter grade only.
GEOG 629  Special Topics in GIS (3); Generic; C-02 & 15; Spring 2011  
Prerequisite: GEOG 603 or consent of instructor. Topic to be specified in Class Schedule. 
GIS research methods and applications, including web-based GIS programming, spatial statistics, and coastal and marine GIS. May be repeated when topics vary.

GEOG 629  Coastal and Marine Applications of GIS (3); Topic; C-02 & 15; Spring 2011  
Prerequisite: GEOG 603 or consent of instructor.  
GIS for partial analysis to support coastal and marine research. Benthic habitat mapping, mapping and visualization for coastal/marine applications, spatial analysis of marine animal movements, habitat modeling and mapping of marine protected areas.

IR 204  Introduction to International Relations (3); Regular; C-03, Spring 2011  
Prerequisite: restricted to IR majors.  
Introduction to the contemporary international system: the historical context of its formation, the major actors of the current state system and how they mutually interact and face major issues. Plus-minus letter grade only.

RPT 160  Introduction to Back Country Skiing (1); Topic; C-11; Spring 2011  
Prerequisite: ability to continuously run one mile.  
Introduction to cross country and telemark ski equipment, techniques, snow characteristics, hazards, trip planning for back country skiing away from ski areas. Includes ski trip and overnight stay in Yosemite National Park. Extra course fee.

SCI 102  Science Concepts: Statics (1); Regular; C-02; Spring 2011  
Prerequisites: MATH 227, PHYS 220; concurrent enrollment with ENGR 102.  
Student-centered discussion and problem solving designed to promote understanding of key concepts of statics and enhance student success in ENGR 102. Limit of 4 units of science concepts courses allowed toward baccalaureate degree.

SCI 201  Science Concepts: Dynamics (1); Regular; C-02; Spring 2011  
Prerequisite: ENGR 102; concurrent enrollment with ENGR 201.  
Student-centered discussion and problem solving designed to promote understanding of key concepts of dynamics and enhance student success in ENGR 102. Limit of 4 units of science concepts courses allowed toward baccalaureate degree.