This publication contains proposed curriculum changes. This Curriculum Register conforms to the curriculum review process as described in the Fall 2007 Curriculum Review Guide. It contains two sections, **Campuswide Proposal Sharing**, which includes a synopsis of course and program proposals that have been submitted for review to their department curriculum committee or program faculty and **University Curriculum Committee (UCC) Recommendations** that includes completed information on proposals reviewed by UCC.

Every proposal must complete all stages of the curriculum review process:

1. Submission of proposal(s) by originating department/program.
2. Review by every department/program in the school/college in which the program is housed.
3. Review by Department Curriculum Committee or Program Faculty.
5. Review by General Studies, Liberal Studies, or Graduate Council, when appropriate; preparation of impact statement.
6. Review by the Dean for school/college resource implication; preparation of resource impact statement.
7. Review by the Office of Academic Programs; preparation of university resource impact statement.
8. Review by the originating School/College Curriculum Committee.
9. Review by the University Curriculum Committee (UCC).
10. UCC recommendations posted in the Curriculum Register.
11. Review by Academic Affairs Program Effectiveness Committee, when appropriate.
12. Approval by Vice President for Academic Affairs or designee.
13. Approval by President, when appropriate.
14. Approval by Off Campus Approval bodies, when appropriate.

**Moratorium for Proposals in Campuswide Sharing Stage:**

There will be a 10 working day moratorium, starting from the publication date of the Curriculum Register, during which departments, deans, or individual faculty may raise objections or concerns, in writing, to the proposing School or College Curriculum Committee or Program Faculty for proposals in the campuswide sharing stage. The Campuswide Sharing section of the Curriculum Register contains only a summary of the curriculum proposal. Please ask the Department Curriculum Committee or Program Faculty for a complete proposal packet if you have questions or concerns.

**Moratorium Date: May 1, 2009**

Once the moratorium date has passed for campuswide sharing and no objections are received, the proposal will continue through the stages of the curriculum review process.

The Curriculum Register is produced by the Office of Academic Programs. Any questions or comments should be directed to Tracey Haney at ext. 3308.
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CAMPUSWIDE PROPOSAL SHARING

The following proposal(s) have completed steps 1-3 of the Curriculum Review Process (see pg. 1 of Curriculum Register).
Program/Course: B.A. in History: History/Social Science Education Option
Proposer: Jim Jeffers
Type of Change: New Program

Summary of Changes: The program provides prospective teachers with the opportunity to learn and apply significant ideas, structures, methods and core concepts in the specified subject discipline(s) that underlie the 6-12 curriculum.

A number of required courses in the History-Social Science Program, including HIS 300 (“Research and Writing Skills”), HIS 304 (“Theory and Practice of History”), HIS 305 (“World History for Teachers”), and HIS 306 (“History and Social Sciences in the Secondary Schools”), are oriented more toward skills, methods, and the philosophical underpinnings of the history discipline rather than content. Prospective teachers in the program also enrich their understanding about “significant ideas, structures, and core concepts in the [History-Social Science] discipline(s) that underlie the 6-12 curriculum with a series of required lower and upper-division courses in Economics (both ECON 210 (“Economic Theory: 1A Microeconomics”), and ECON (“Economic Theory 1B: Macroeconomics”), Geography, (GEO 100 “Human Geography”), (GEO 350 “World Geography”), both national and international politics (POLS 100 “World Perspective”), (POL 101 “American Institutions”), and ethics (“PHIL 383, (“Comparative Religions”) to name a few. The courses introduce prospective teachers to foundational disciplinary concepts and offer them opportunities to apply them in the process of creating products as disparate as research papers, teaching units, and web pages that illuminate the content acquired in other History-Social Science coursework.

The program prepares prospective single-subject teachers to analyze complex discipline-based issues; synthesize information from multiple sources and perspectives; communicate skillfully in oral and written forms; and use appropriate technologies.
Program/Course: Certificate in Computer Literacy
Proposer: Mohsen Beheshti
Type of Change: New Program
Summary of Changes: The goal of the Computer Literacy Certificate is to provide students with basic knowledge in Computer hardware, software, and computer applications. This certificate will address the need for a logical pathway of success for students. Students will be able to earn credits toward our existing 4-year program (BA in Computer Technology) in a seamless path. The certificate also provides short-term goals that will lead toward entry-level jobs. Students who want to upgrade their skills will also benefit from this certificate.

CSC 101 Intro to Computer Education (3)
CSC 111 Intro to Computers and Basic (3)
CSC 115 Intro to Programming Concepts (3)
CSC 116 Intro to Computer Hardware and Tools (3)
CSC 255 Dynamic Web Programming (3)
CSC 301 Computers and Society (3)

Program/Course: B.A./B.S. in Earth and Environment
Proposer: Ralph Saunders
Type of Change: New Program
Summary of Changes: The Earth Sciences department (Geography and Geology) proposes the creation of a new option called Earth & Environment. The new option is available in identical form for both Geography and Geology majors.

The Earth & Environment option is built upon the solid foundations of both Geography and Geology and is designed to highlight the relevance of these disciplines to students wanting careers in the environment and sustainability.

Below is a list of courses in the new option. New courses are identified by an asterisk. Earth Sciences are phasing out its current major options in Geography and Geology. New courses are revisions of courses that are being phased out.

No new workload or resources are required for the new option.

**B.A., B.S. in Earth and Environment**

B.A. of 54 units, B.S. of 72 units (with no Minor requirement for either)

**Lower Division Required Courses (7 units):**

GEO 100 Human Geography
EAR 101 Physical Geology Laboratory (1)
EAR 100 Physical Geology
or
GEO 200 Physical Geography
B.S. option only (18 units):

B.S. students should take the following lower division courses to simultaneously satisfy their major requirements and their General Education requirements in Area B:

<table>
<thead>
<tr>
<th>B.S. Requirement</th>
<th>GE Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 110 (5) and CHE 112 (5)</td>
<td>B.2 and B.3</td>
</tr>
<tr>
<td>BIO 120 (4) and BIO 122 (4)</td>
<td>B.1</td>
</tr>
</tbody>
</table>

or

| PHY 120 (4) and PHY 122 (4) |

Upper Division Required Courses (38 units):

Environmental Policy (9 units):
- GEO 357 Metro LA – Urban Environmental Policy
- GEO 360 Geography of North America
- GEO 433 Environmental Analysis and Planning

The Natural Environment (19 units):
- EAR 410 Environmental Geology
- EAR 425* Global Change
- EAR 450* Plate Tectonics and the Rock Cycle (4)
- GEO 412 Hydrology
- GEO 416 Climatology
- GEO 420 Natural Resources

Applied Methods (10 units):
- EAR 376 Field Methods of Mapping
- EAR 490 Senior Seminar in Earth Sciences (1)
- GEO 370 Numerical Methods in Geography
- GEO 415 Geographic Information Systems

Upper Division Electives (9 units)
Select three courses from the list below. Other courses from within the College can also be substituted with the approval of an advisor.

- EAR 370 Oceanography
- EAR 476 Hydrogeology
- GEO 315 Meteorology
- GEO 380* Biogeography
- GEO 408 Remote Sensing

New Course Descriptions

Global Change: This course provides an interdisciplinary introduction to the science of understanding global change – natural as well as anthropogenically induced. Key Topics are the physical climate system and its variability, the carbon cycle, land and water use issues, and the impact of global change on society.
Plate Tectonics and the Rock Cycle: Study of plate tectonic processes and how they relate the formation of rocks. Includes earthquakes, volcanic activity, hot spots and plate boundary types.

Biogeography: The distribution of plant and animal species with special emphasis on native plant and animal populations in southern California and recent changes to region’s flora and of fauna.
College of Extended and International Education

Program/Course: M.S. in Quality Assurance
Proposer: Milton Krivokuca
Type of Change: New Course

Summary of Changes: The Quality program proposes the following additions to the MS Quality Assurance program.

Quality is a dynamic aspect of modern business that affects every activity from products and services to organizational structures. As contemporary businesses continue to evolve so too new Quality methodologies and practices emerge. The discipline of Quality prepares professionals to evaluate current performance gaps and direct improvement methodologies so that businesses and organizations remain competitive in today’s market.

The original MS Quality Assurance curriculum consisted of a core focused on manufacturing industries of the time. The influence and discipline of Quality have grown to include service sectors and education as well as the current, diverse manufacturing environment which encompasses technology and life sciences. MSQA courses are being proposed in two Quality areas: (1) systems thinking and (2) regulatory affairs. Proposed courses in regulatory affairs focus on knowledge and methods relevant to Quality systems in pharmaceutical and biodevice industries.

Add

QAS 534 Change Management
QAS 535 Lean Manufacturing
QAS 536 Six Sigma Principles and Applications
QAS 537 Quality Function Deployment: Understanding Customer Requirements
QAS 538 Evaluation and Outcome Analysis for Healthcare Delivery
QAS 539 Good Manufacturing Practices
QAS 540 Food & Drug Law
QAS 541 Biomedical Quality Control Methods
QAS 542 Risk Management in FDA Regulated Industries

New Courses

QAS 534 Change Management (3)
In depth analysis of current theory, empirical research and best practices related to effective implementation of Quality improvement methodologies that result in desired organizational change, both cultural and operational.
QAS 535  Lean Manufacturing (3)
Study of the theory and practices of lean production. Covers waste minimization, interrelationships among various components of a system, theories of leadership and management, and process variability reduction.

QAS 536  Six Sigma Principles and Applications (3)
In depth study of the application of the six sigma process; covers content of the methodology areas of Define, Measure, Analyze, Improve and Control (DMAIC) including team concepts, project management, advanced statistical process control and techniques, and measurement systems analysis.

QAS 537  Quality Function Deployment: Understanding Customer Requirements (3)
Theory and application of the quality management process, Quality Function Deployment, used for designing customer requirements into products and services. Course will evaluate the tools of QFD and study their application in analysis of customer requirements.

QAS 538  Evaluation and Outcome Analysis for Healthcare Delivery (3)
Examines operational and statistical techniques used to monitor, control, and improve the quality of services provided by healthcare. Tools of Quality and their direct application to practical situations and healthcare processes are considered.

QAS 539  Good Manufacturing Practices (3)
Current Good Manufacturing Practice regulations to assure quality of medical devices and pharmaceutical products. Covers development, manufacturing, Quality management and organizational requirements of medical devices. Pharmaceutical regulations include personnel, facilities and equipment, process and product controls, laboratory and reporting.

QAS 540  Food & Drug Law (3)
Course is designed to provide a practical interpretation of the food and drug laws and interpretations for professionals who are providing products or services in industries regulated by the Federal Food & Drug Administration.

QAS 541  Biomedical Quality Control Methods (3)
Study of quality control discipline as applied to medical device, pharmaceutical and/or biologics regulated environments. Topics include influencing discipline and applying models; methods that monitor, maintain and/or improve product or service quality; and operational efficiency.

QAS 542  Risk Management in FDA Regulated Industries (3)
Risk Management as applied to FDA-regulated and other industries (product and process-related); emphasizes application of risk management tools, plan and program from inception of product and process including manufacturing process and field experience of the product, process or service.
UNIVERSITY CURRICULUM COMMITTEE
RECOMMENDATIONS

The following proposal(s) have completed steps 1-11
of the Curriculum Review Process (see pg. 1 of the Curriculum Register).

During the current cycle, no programs have fully completed the
Curriculum Review process; therefore, there are no recommendations
to report.