

Minutes

Campus Curricula Committee Meeting

October 5, 2010 Meeting

3:20 p.m. Room 117 Fulton Hall

Badrul Chowdhury, Barry Flachsbart, Angie Huffman, Irina Ivliyeva, Keith Nisbett, Daniel Tauritz, and Jennifer Thorpe attended the meeting.

Approval of September 7, 2010 minutes

Review of submitted DC forms:

DC 0369, Economics, Bachelor of Science, approved effective Fall 2011. A proposal to modify the current curriculum for the Bachelor of Science in Economics.

DC 0370, Biological Science, Bachelor of Science, approved effective Fall 2011. A proposal to modify the current curriculum for the Bachelor of Science in Biological Sciences.

Review of submitted CC forms:

CC 8036, History 331, Nazism & Holocaust. New course approved effective Spring 2011.

Catalog Description: This course focuses on the rise of Nazism and its consequences for politics, society, and culture in Europe. The period's history will be examined from the perspective of perpetrators, victims, and bystanders with emphasis on the Holocaust and its legacy.

Credit Hours: 3 hour lecture

Prerequisites: Hist 112

CC 8058, Economics 355, Statistical Models in Actuarial Science. The following change is approved effective Spring 2011.

Course Number – Proposed: 360

CC 8060, Geological Engineering 207, Geology and Engineering of Ancient and Modern Peru. New course approved effective Spring 2011.

Catalog Description: A study of the geological engineering of the Cuzco-Machu Picchu corridor, including the inter-relations of geology, climate, archeology, and history. A technical report and a week-long field trip to Peru during spring Break are required.

Credit Hours: 1 hour lecture

Prerequisites: None

CC 8061, Biological Sciences 470, Advanced Toxicology. New course approved effective Spring 2011.

Catalog Description: We will discuss the toxicity and mechanisms of action of natural and man-made toxicants. The impact of toxicants on both human health and the environment will be considered. Students will be assigned to independent literature search and write a report.

Credit Hours: 3 hour lecture

Prerequisites: Bio Sci 211 and Bio Sci 231

CC 8063, Chemical Engineering 446, Molecular Modeling and Simulation. New course approved effective Spring 2011.

Catalog Description: Study of molecular-based modeling and simulation methodologies and their connections with each other and to multiscale modeling and other engineering approaches. Molecular Dynamics, Monte Carlo, Brownian Dynamics, statistical mechanics, and application cases in engineering and science are included.

Credit Hours: 3 hours lecture

Prerequisites: Ch Engr 445

CC 8064, Aerospace Engineering 180, Introduction to Aerospace Design. The following change is approved effective Spring 2011.

Credit Hours – Present: 2 hour lab

Proposed: 1 hour lecture, 1 hour lab, Total: 2

Review of submitted EC forms:

EC 2282, Biological Sciences 201, Issues in Public Health, approved effective Spring 2011.

Course Description: Due to globalization, diseases such as West Nile Disease, Ebola Hemorrhagic Fever, and SARS are able to overcome geographic barriers and become widespread. We will discuss the nature of these diseases and their impact on public health, national security, and the global economy.

Credit Hours: 2 hour lecture

Prerequisites: Bio Sci 110 or Bio Sci 111

CC 2283, Geological Engineering 401, Civil Engineering 401, Inca Civilization Geotechnical Engineering Practices, approved effective Spring 2011.

Course Description: An in-depth study of geotechnical engineering practices within the Cuzco-Machu Picchu corridor, with emphasis on the inter-relationships between tectonics, geology, geomorphology, climate, hydrology, agriculture, quarrying, construction practices, irrigation, culture and history. A week-long field trip to Peru during Spring Break is required.

Credit Hours: 3 hour lecture

Prerequisites: GE 50 or CE 215 or equivalent; Graduate Standing

EC 2286, Philosophy 201, Ancient and Medieval Philosophy, effective Summer 2011.

Tabled

Review of Tabled Items:

CC 8017, Finance 490, Research. The following changes are approved effective Spring 2011.

Catalog Description – Present: The research project will involve students applying research techniques and discipline specific knowledge working on a project designed by the advisor, often working with a business organization. Requires major report and formal presentation to sponsoring organization.

Proposed: Research investigation of an advanced nature leading to a major report suitable for publication in a journal or in a conference proceedings.

Credit Hours – Present: 0-15

Proposed: 0-9

Items Still Tabled:

EC 2268, Education 301, Improving Student Achievement in Elementary Mathematics, effective Spring 2011. **Tabled**

EC 2269, Education 301, Differentiated Instruction, effective Spring 2011. **Tabled**

EC 2270, Education 301, Transition from School to Post Secondary Placement, effective Spring 2011. **Tabled**

EC 2271, Education 301, Reaching Students From Poverty, effective Spring 2011.

Tabled

CC 8004, Aerospace Engineering 319, Advanced Thermodynamics. **Tabled**



New Business:

Revise wording on EC form.

The meeting adjourned at 4:40 p.m. The next meeting will be November 2, 2010 at 3:20 p.m. in 117 Fulton Hall.

J. Keith Nisbett, Chair
Missouri S&T Campus Curricula Committee