

Contact: Diana Gonzalez

**PROPOSED REVISIONS FOR THE IOWA STATE UNIVERSITY
2009-2011 GENERAL CATALOG**

Action Requested: Consider approval of the proposed revisions for the 2009-2011 General Catalog at Iowa State University.

Executive Summary: In addition to the proposed course changes, ISU's request describes six new programs, two program terminations, and six program name changes approved by prior action of the Board. The request for the proposed revisions was reviewed by the Board Office and the Council of Provosts and is recommended for approval. This report addresses the Board of Regents Strategic Plan objective (1.1) to "offer high-quality programs through ongoing program improvement for undergraduate, graduate, professional, and non-degree students and special school students."

Background:

- ◇ The ISU Faculty Senate Curriculum Committee requires that, with few exceptions, new courses be offered experimentally to determine if a department is able to staff them and if sufficient interest exists to justify adding them to the Catalog.
- ◇ Courses in the 2007-2009 Catalog that have not been taught in some time will be dropped.
- ◇ The proposed revisions include an addition of 331 new courses and the elimination of 200 courses, resulting in a net increase of 131 courses primarily due to the addition of new programs and restructuring in specific areas.
- ◇ The University has experienced growth in interdisciplinary studies and certificates. The increase in the College of Business resulted primarily from the addition of the Ph.D. program in Business and Technology.

SUMMARY OF PROPOSED REVISIONS FOR ISU 2009-2011 GENERAL CATALOG

| College | New Courses | Dropped Courses | Net Change | Course Number Change | Credit Value Change | Title Change |
|-----------------------------|-------------|-----------------|------------|----------------------|---------------------|--------------|
| Agriculture & Life Sciences | 24 | 19 | +5 | 10 | 14 | 28 |
| Business | 38 | 1 | +37 | 2 | 0 | 6 |
| Design | 19 | 4 | +15 | 0 | 23 | 39 |
| Engineering | 57 | 22 | +35 | 7 | 5 | 21 |
| Human Sciences | 69 | 61 | +8 | 9 | 13 | 48 |
| Liberal Arts and Sciences | 82 | 83 | -1 | 12 | 10 | 81 |
| Veterinary Medicine | 14 | 6 | +8 | 0 | 5 | 1 |
| Interdisciplinary Programs | 28 | 4 | +24 | 3 | 2 | 9 |
| TOTAL | 331 | 200 | +131 | 43 | 72 | 233 |

SUMMARY OF PROGRAM CHANGES

PROGRAMS ADDED

- 📁 B. A. in Global Resource Systems (June 2008)
- 📁 Ph.D. in Business and Technology (June 2007)
- 📁 B.S. in Biological Systems Engineering (June 2008)
- 📁 B.S. in Culinary Science (June 2008)
- 📁 B.S. in Bioinformatics and Computational Biology (June 2007)
- 📁 B.A. in World Languages and Cultures with concentrations in French, German, Russian Studies, and Spanish (June 2008)

PROGRAM TERMINATIONS

- 📁 M.S. and Ph.D. in Nutritional Physiology (March 2006)
- 📁 M.S. and Ph.D. in Nutrition (March 2006)

PROGRAM NAME CHANGES

- 📁 M.S. and Ph.D. in Plant Physiology to M.S. and Ph.D. in Plant Biology (June 2008)
- 📁 B.S. in Health and Human Performance to B.S. in Kinesiology and Health (September 2007)
- 📁 M.S. in Exercise and Sport Science to M.S. in Kinesiology (September 2007)
- 📁 Ph.D. in Health and Human Performance to Ph.D. in Kinesiology (September 2007)
- 📁 B.S. in Entomology to B.S. in Insect Science (June 2008)
- 📁 B.S. in Agricultural Education to B.S. in Agriculture and Life Sciences Education (June 2008)

The following summary describes trends that underscored the proposed course changes in the colleges:

- ◆ The *College of Agriculture and Life Sciences* expanded the development of the college-wide student outcomes as a part of the core curriculum for students in the College. Among the outcomes are leadership, entrepreneurship, international perspectives, and life-long learning.
- ◆ The *College of Business* responded to changing needs by implementing a Ph.D. program in Business and Technology to prepare individuals for academic careers in research, teaching, and public service. The College also decreased the number of credits required for a general business minor to make it more accessible to non-business students.
- ◆ The *College of Design* reflects a focus on strengthening the first-year undergraduate experience by adding a required orientation course for all first-year students and placing all first-year students in one of two learning communities. The addition of two specialization areas in the Master of Arts Program in Art and Design reflects the cultural and market importance of visual literacy and knowledge. The growth of digital media is reflected in new and altered digital media courses.
- ◆ The *College of Engineering* responded to the need to address the increasing integration of biology with engineering by adding a B.S. Program in Biological Systems Engineering and an undergraduate minor in Bioengineering. In response to the continuing need for sustainable energy sources, the College also added an undergraduate minor in nuclear engineering, an inter-institutional minor developed by the Big 12 Engineering Consortium.
- ◆ The *College of Human Sciences* aligned areas of study by changing the name of the Department of Health and Human Performance to the Department of Kinesiology and addressing societal needs related to food science and nutrition. New courses in dietetics are offered online through the Great Plains Interactive Distance Education Alliance for the graduate certificate in Food Safety and Defense and the Master of Arts Program in Family and Consumer Sciences with specialization in dietetics.
- ◆ The *College of Liberal Arts and Sciences* responded to curricular opportunities through the development of interdisciplinary programs, including the Bachelor of Science in Bioinformatics and Computational Biology and a minor in Music Technology. The curricular reorganization in the Department of World Languages and Cultures reflects trends in the discipline and provides a more comprehensive study of languages and cultures.
- ◆ The *College of Veterinary Medicine* reflects the College's initiative to build a comprehensive, food supply veterinary medicine teaching program by increasing course offerings in the Department of Veterinary Diagnostic and Production Animal Medicine.
- ◆ *Interdisciplinary Programs* reflect an interest in online course and certificate offerings.