March 28, 2003

REPORT FROM THE OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

The following undergraduate petitions have been approved:

University Core Curriculum

For D: Synthesis ENGR 491 – Senior Design 3 Cr. Hrs.

Undergraduate New Course Petitions

ENGR 324 Construction Materials and Estimating (3 hours lecture, 3 hours lab) 4 Cr. Hrs.
A study of aggregates, concrete and asphaltic materials; includes concrete mix designs and testing. The course will study factors relating to labor, equipment, and materials involved in construction. Several estimating projects will be completed. Additional subject matter covered will be construction contracts, planning and monitoring. Prerequisite: Junior standing or consent of instructor.
Implementation Date: Spring, 2004.

ENGR 325 Structural Analysis (3 hours lecture, 3 hours lab) 4 Cr. Hrs.
Classification of structures, loads, reactions, shear and moment diagrams, trusses, framed structures, influence lines, moving loads, deflections, and analysis of statically indeterminate structures, including moment distribution. Prerequisite: ENGR 355 Strength of Materials.
Implementation Date: Spring, 2004.

ENGR 422 Geotechnical Engineering Design 3 Cr. Hrs.
Topics that will be studied include bearing capacity, isolated and combined footing design, lateral earth pressure, retaining wall design, pile and pier design, slope stability, and design of foundations for seismicity. Professional and ethical responsibility and legal ramifications of design problems will also be considered. Prerequisites: ENGR 321 Soil Mechanics and Consent of the Instructor.
Implementation Date: Spring, 2004.

ENGR 447 Microprocessor Systems Design (2 hours lecture, 3 hour lab) 3 Cr. Hrs.
This course involves the design of firmware and hardware for microprocessor-based systems, including analog and digital interfaces, system architecture, memory system design, IO structure and handshaking protocols, interrupts, timers, parallel and serial subsystems, and analog-to-digital conversion. Prerequisites: ENGR 347 Microcomputer Engineering or Consent of Instructor.
Implementation Date: Spring, 2004.

ENGR 448 Software Engineering (2 hours lecture, 3 hour lab) 3 Cr. Hrs.
An introduction to software engineering principles, with emphasis on the methods, processes, tools, and metrics needed to develop quality software products and systems. Prerequisites: ENGR 347 Microcomputer Engineering or Consent of Instructor.

Implementation Date: Spring, 2004.

ENGR 463 Heat Transfer 3 Cr. Hrs.
An investigation into heat transfer and the formulation of the fundamental principles and laws that govern conduction, convection, and radiation for both steady state and transient conditions with their application in the analysis and design of actual processes and heat exchangers. Prerequisites: MATH 433, ENGR 225, and ENGR 375.

Implementation Date: Fall, 2004.

GENS 199 Select Topics in Study Strategies 1 Cr. Hr.
This course focuses on an intensive study of specialized topics in study strategies such as Vocabulary, Speed Reading, and PRAXIS Preparation. Course is open to all students and repeatable with change in course content. Prerequisites: None.

Implementation Date: Spring, 2004.

The following undergraduate petitions will be discussed when the Curriculum Committee meets on Friday, April 11, 2003 from 11:00 a.m. – noon in UC 215.

Undergraduate Program Modification

BA or BS in Art – Current Program Description: The Art Program offers a four-year curriculum leading to a major in art with a Bachelor of Science or a Bachelor of Arts Degree. Students within the art major may choose an emphasis in a particular studio area, graphic design, illustration, or interactive media design.

Proposed Program Title: BA or BS in Art: Art, Studio Emphasis; Art, Graphic Design Emphasis; Art, Illustration Emphasis; Art, Interactive Media Design Emphasis; Art, Art History Emphasis.

Proposed Program Description: The Art Program offers a four-year curriculum leading to a major in art with a Bachelor of Science or a Bachelor of Arts degree. Students within the art major may choose an emphasis in a particular studio area, graphic design, illustration, interactive media design, or art history.

Rationale: The development of the Art History curricula has been an objective of the USI Art program for over 8 years. On p. 19 of the Art Program Review 1994-2001, it is stated that “the Art History component of any Art program is an essential one, as the practice of making Art must be complemented by the academic study of Art.” By offering an Art History emphasis, the USI Art Program will meet this important objective in a manner similar to other institutions’ programs. (A comparison sheet will be presented at the Curriculum Committee meeting.) Additional justification for the immediate implementation of this emphasis is the fact that all of the resources for the Art Program’s Art History emphasis are already in place.

With the more recent additions to the Art History curricula, there has been an increase in student interest in art history as an academic area of study. In a recent survey of 156 students in art history and art studio classes, 42% of them indicated that they were interested in the Art History emphasis. Students pursuing a degree in Art with an Art History emphasis will learn to deal with works of art professionally in preparation for work in conservation, museum or gallery work, or for graduate study in the field. Upper-level Art History students will assist the University in curating and maintaining its permanent collections as well as the New Harmony Workingman’s Institute collections. Offering Art History as an Art program emphasis will serve a regional need, because many of the upper level art history courses use local works of art and monuments as the visual texts. This area of academic study will also benefit the following institutions that are already in need of knowledgeable interns and employees: The New Harmony Gallery
of Contemporary Art, the Evansville Museum of Arts and Sciences, Historic New Harmony, Historic Southern Indiana, Angel Mounds, the Museum of African American History, the Reitz home, the USI Ken McCutchan Memorial Art Gallery, as well as many other historical museums and sites and corporate art collections in the region.

In summary, there are many reasons to support the Art: Art History emphasis:

- No extra cost to Art or Liberal Arts or USI
- The Art History courses are in place
- The Art History faculty rotation to teach these courses is in place
- The Slide Library and other resources are in place
- No need for extra faculty

Student interest is high

- In a survey of 156 students in art studio and art history classes, 66 were interested in the Art History emphasis
- There has been a sizable number of student inquiries in the past about an art history major

The number of courses proposed for the emphasis is comparable to other universities’ offerings

Implementation Date: Spring, 2004.

c. John Gottcent, University Core Coordinator
   Tom Pickering, Teacher Certification and Licensing Director
   Tracy Sinn, Degree Audit Reporting System (DARS), Registrar's Office
   Curriculum Committee:
   Jeff Seyler, Chair – SC 163
   Jane Johansen – OC 3035
   Joan Kempf – TC 226
   Martha Raske – HP 2134
   Marty Reed – HP 2090
   Sandy Farmer, Ex-Officio - OC 1085
   Charles Harrington, Ex-Officio – WA 104E
   Martha Niemeier, Ex-Officio - RL 105