

EASTERN ILLINOIS UNIVERSITY

M e m o r a n d u m

COLLEGE OF SCIENCES

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TO: Dean Augustine
FROM: Dr. Mary Anne Hanner, Dean
DATE: April 24, 2009
RE: Executive Action Taken at the College of Sciences Curriculum Committee Meeting of April 24, 2009

The following were approved by executive action at the College of Sciences Curriculum Committee meeting on April 24, 2009 to be as indicated. I ask that similar action be taken at the Council on Graduate Studies.

REQUEST # 1:

Requested Change: Change prerequisites & notes in the catalog description of CHM 4750 (Environmental Chemistry) to:

Prerequisites & Notes:

CHM 2730; CHM 2430 or CHM 2840

Current Catalog Listing:

(3-0-3) On Demand. The chemistry of environmental processes and chemical contaminants in the hydrosphere, atmosphere, and biosphere; the impact of energy generation on the global environment; the toxicology of specific chemical compounds.

Prerequisites & Notes:

CHM 2730; CHM 3910 or permission of the instructor. CHM 3450 recommended.

Credits: 3

Rationale for change: CHM faculty have determined that it is more relevant that students enrolled in CHM 4750 complete organic chemistry (CHM 2430 or CHM 2840) than thermodynamics and kinetics (CHM 3910). Relevant thermodynamic and kinetic concepts are reviewed in the course regardless.

Effective Year/Term: FA 2010

REQUEST # 2:

Requested Change: Change prerequisites & notes in the catalog description of CHM 4800 (Selected Topics in Chemistry) to:

Prerequisites & Notes:

Variable depending on topic

Current Catalog Listing:

(Arr.-Arr.-1-3) On Demand. A course in a selected area of chemistry. May be repeated for credit if a different topic is taught.

Prerequisites & Notes:

CHM 3910 or permission of the instructor.

Credits: 1 to 3

Rationale for change: Selected topics may be in any area of chemistry. Thus, CHM 3910 may not be an appropriate pre-requisite for a number of topics. CHM will align pre-requisites with the topic being taught which in turn, will assure that students enrolled in the class have the needed pre-requisites to be successful. In addition, it is likely this change will lead to sustainable enrollments since certain topics will be open to majors and non-majors alike.

Effective Year/Term: Fall, 2010

REQUEST # 3:

Requested Change: Change course title and prerequisites & notes in the catalog description of CHM 4860 (Biochemistry III) to:

CHM 4860 – *Advanced Biochemistry*.

(3-0-3) F. Topics may include protein structure and function, enzyme mechanisms, transcription, DNA replication, regulation of DNA expression, and cellular signaling pathways.

Prerequisites & Notes:

CHM 3460 or 3450 with instructor permission

Credits: 3

Current Catalog Listing:

CHM 4860 - Biochemistry III.

(3-0-3) F. Topics may include protein structure and function, enzyme mechanisms, transcription, DNA replication, regulation of DNA expression, and cellular signaling pathways.

Prerequisites & Notes:

CHM 3460.

Credits: 3

Rationale for change: The topics in CHM 4860 are independent enough that, for good students, CHM 3450 provides sufficient preparation. The prerequisite change also makes it clearer to graduate students that this course is appropriate for them. The name change is suggested to help emphasize the independent nature of CHM 4860.

Effective Year/Term: FA 2010

REQUEST # 4:

Requested Change: Change prerequisites & notes in the catalog description of CHM 4900 (Inorganic Chemistry II) to:

Prerequisites & Notes:

CHM 2310 with a grade of C or better; CHM 3910 (or concurrent enrollment therein)

Current Catalog Listing:

(3-0-3) F. Bonding, structures, and reactivity of inorganic, organometallic, and bioinorganic compounds.

Prerequisites & Notes:

CHM 2310, 3910, and 3920.

Credits: 3

Rationale for change: This change helps ensure adequate preparation for CHM 4900, and allows transfer or other students who have delayed CHM 3910 to enroll in the course. We have not found CHM 3920 to be essential preparation for CHM 4900.

Effective Year/Term: Fall 2010

REQUEST # 5:

Requested Change: Change prerequisites & notes in the catalog description of CHM 4915 (Advanced Laboratory) to:

Prerequisites & Notes:

CHM 2840, 2845, 3780, and 4900. Prior completion of CHM 3915 recommended

Current Catalog Listing:

(1-6-3) S. An interdisciplinary laboratory course featuring experiments in inorganic, organic, and organometallic chemistry. Experiments will emphasize advanced techniques of chemical research, including the synthesis and characterization of important classes of inorganic, organic, and organometallic compounds. WI

Prerequisites & Notes:

CHM 2845, 3780, 3915, and 4900.

Credits: 3

Rationale for change: Inclusion of CHM 2840 (organic chemistry II) as a prerequisite closes a technical loophole and ensures adequate preparation in organic chemistry. Changing CHM 3915 to allow concurrent enrollment enables additional scheduling flexibility for students and will not make any practical difference in preparation for CHM 4915.

Effective Year/Term: SP 2010