09-392. UWUCC App-12/8/09 App 1/26/10

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person Dr. Jan Wachter	Email Address Jan.wachter@iup.edu
Proposing Department/Unit Safety Sciences Department	Phone 7-3275

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

1. Course Proposals (check all that apply)

_____New Course _____Course Prefix Change _____Course Deletion

____Course Revision _____Course Number and/or Title Change __XX__Catalog Description Change

***Current* Course prefix, number and full title**	***Proposed* course prefix, number and full title, if changing**
SAFE 330: Recognition, Evaluation, and Control of Occupational Health Hazards I	

2. Additional Course Designations: check if appropriate

_____ This course is also proposed as a Liberal Studies Course.

_____ This course is also proposed as an Honors College Course.

_____ Other: (e.g., Women's Studies, Pan-African)

3. Program Proposals

_____Catalog Description Change _____Program Revision

_____New Degree Program _____Program Title Change _____Other

_____New Minor Program _____New Track

***Current* program name**	***Proposed* program name, if changing**

4. Approvals		**Date**
Department Curriculum Committee Chair(s)	Jan K Wachter	Nov 2, 2009
Department Chair(s)	Lon Ferguson	11/2/09
College Curriculum Committee Chair	Jeffrey Millam	11-4-09
College Dean		
Director of Liberal Studies *		
Director of Honors College *		
Provost *		
Additional signatures as appropriate: (include title)	Gail S Sechrist	12/8/09

Received

DEC 09 2009

Liberal Studies

Part II. Description of Curriculum Change

1. **A complete catalog description including the course name, class and lab hour designation, number of credits, the prerequisites, and the new course description**

   New catalog description:

   SAFE 330 Recognition, Evaluation, and Control of Occupational Health Hazards I **3c-31-4cr**

   Prerequisites: BIOL 155, CHEM 101 or instructor permission

   Provides an understanding of selected chemical stressors in the workplace that may present occupational health hazards to workers. Students learn to anticipate, identify, evaluate, and control chemical stressors including dusts, mists, metal fumes, airborne fibers, inorganic and organic gases and vapors, and oxygen-deficient atmospheres. Hazard classification systems, adverse health effects from excessive exposures, workplace standards, sampling and analytical methods, and control options are emphasized.

2. **A listing of the proposed change including the complete old catalog description**

   Proposed change: Change the prerequisites for the SAFE 330 course from BIOL 155, CHEM 102, and PHYS 112 to BIOL 155 and CHEM 101.

   Old catalog description:

   SAFE 330 Recognition, Evaluation, and Control of Occupational Health Hazards I **3c-31-4cr**

   Prerequisites: BIOL 155, CHEM 102, PHYS 112

   Provides an understanding of selected chemical stressors in the workplace that may present occupational health hazards to workers. Students learn to anticipate, identify, evaluate, and control chemical stressors including dusts, mists, metal fumes, airborne fibers, inorganic and organic gases and vapors, and oxygen-deficient atmospheres. Hazard classification systems, adverse health effects from excessive exposures, workplace standards, sampling and analytical methods, and control options are emphasized.

3. **Justification/rationale for the change**

   On September 20-22, 2009, the Accreditation Board of Engineering and Technology's (ABET) Applied Science Accreditation Commission (ASAC) visited IUP's Department of Safety Sciences to conduct its accreditation review of IUP's

undergraduate safety sciences program. A weakness cited by this accreditation team in its evaluation report was that the safety sciences program must have and enforce procedures to assure that all students are meeting all program requirements since transcript evaluations indicated that some students have taken courses without fulfilling prerequisites or have taken prerequisites concurrently.

To deal with this weakness, the Safety Sciences' Department Curriculum Committee – in consultation with class instructors – was tasked by the Department Chairperson to critically examine the appropriateness of all SAFE current course prerequisites, especially those identified earlier as having a history of overrides. The Curriculum Committee has conducted its review of safety science courses and is recommending that the list of prerequisites be revised to include only those which are truly critical and appropriate for the successful completion of the course. As a part of this review, it is being recommended by the Safety Sciences Department's Curriculum Committee that BIOL 155: Human Physiology & Anatomy and CHEM 101: College Chemistry I become the prerequisites for the SAFE 330: Recognition, Evaluation, and Control of Occupational Health Hazards I course, since BIOL 155 and CHEM 101 are deemed to be sufficient for the successful completion of the SAFE 330 course.

Part III. Letters of Support or Acknowledgement

This section is not applicable.