

UWUCC
09-390. 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 Catalog Description Change

SAFE 311: Fire Protection

<u>Current</u> Course prefix, number and full title	<u>Proposed</u> course prefix, number and full title, if changing
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2. Additional Course Designations: check if appropriate

This course is also proposed as a Liberal Studies Course. Other: (e.g., Women's Studies, Pan-African)
 This course is also proposed as an Honors College Course.

3. Program Proposals

New Degree Program Program Title Change Other
 New Minor Program New Track Catalog Description Change Program Revision

<u>Current</u> program name	<u>Proposed</u> program name, if changing
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4. Approvals	Date
Department Curriculum Committee Chair(s)	<i>Janke Wachter</i> Nov 2, 2009
Department Chair(s)	<i>Lo Ferguson</i> 11/2/09
College Curriculum Committee Chair	<i>Upper Miller</i> 11-4-09
College Dean	
Director of Liberal Studies *	
Director of Honors College *	
Provost *	
Additional signatures as appropriate:	
(include title)	

Gail Sedrist 12/8/09
 Received
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 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 311 Fire Protection

2c-3l-3cr

Prerequisites: CHEM 101 or instructor permission

Provides the fundamental concepts involved in the protection of people and property from fire and explosion. Basic fire safety terminology, fire chemistry and extinguishment, fire safety references and standards, and fire program management are discussed. Also discusses control measures for common fire and explosion hazards and the design of buildings in terms of life safety and fire suppression systems. Development of programs in fire safety, as well as the evaluation and control of fire and explosion hazards, will be studied in laboratory sessions. Practical application of fire principles will be completed in laboratory sessions.

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

Proposed change: Change the prerequisites for the SAFE 331 course from CHEM 102, PHYS 112, and SAFE 211 to CHEM 101. Change the first word in the description from “Change” to “Provides” in order to be consistent with other descriptions.

Old catalog description:

SAFE 311 Fire Protection

2c-3l-3cr

Prerequisites: CHEM 102, PHYS 112, SAFE 211

Teaches the fundamental concepts involved in the protection of people and property from fire and explosion. Basic fire safety terminology, fire chemistry and extinguishment, fire safety references and standards, and fire program management are discussed. Also discusses control measures for common fire and explosion hazards and the design of buildings in terms of life safety and fire suppression systems. Development of programs in fire safety, as well as the evaluation and control of fire and explosion hazards, will be studied in laboratory sessions. Practical application of fire principles will be completed in laboratory sessions.

- 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 CHEM 101: College Chemistry I replaces CHEM 102: College Chemistry II, PHYS 112: Physics II, and SAFE 211: Principles of Safety II – Construction Industry as a prerequisite for the SAFE 311: Fire Protection, since CHEM 101 is deemed to be sufficient for the successful completion of the SAFE 311 course.

Part III. Letters of Support or Acknowledgement

This section is not applicable.