

Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee

Contact Person(s) Dr. Wanda Minnick	Email Address wanda.minnick@iup.edu
Proposing Department/Unit Safety Sciences	Phone 7-3276

Check all appropriate lines and complete all information. Use a separate cover sheet for each course proposal and/or 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

Current course prefix, number and full title: **SAFE 347 Ergonomics**

Proposed course prefix, number and full title, if changing: _____

2. Liberal Studies Course Designations, as appropriate

This course is also proposed as a Liberal Studies Course (please mark the appropriate categories below)
 Learning Skills Knowledge Area Global and Multicultural Awareness Writing Intensive (include W cover sheet)
 Liberal Studies Elective (please mark the designation(s) that applies – must meet at least one)
 Global Citizenship Information Literacy Oral Communication
 Quantitative Reasoning Scientific Literacy

3. Other Designations, as appropriate

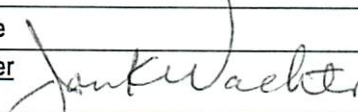
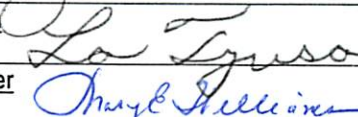
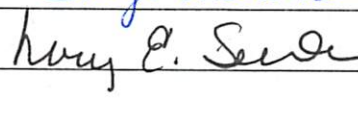
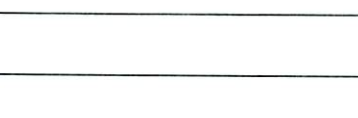
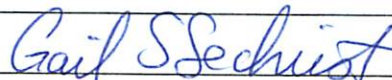
Honors College Course Other: (e.g. Women's Studies, Pan African)

4. Program Proposals

Catalog Description Change Program Revision Program Title Change New Track
 New Degree Program New Minor Program Liberal Studies Requirement Changes Other

Current program name: _____

Proposed program name, if changing: _____

5. Approvals	Signature	Date
Department Curriculum Committee Chair(s)	Dr. Jan K. Wachter 	2/4/13
Department Chairperson(s)	Dr. Lon Ferguson 	2/4/13
College Curriculum Committee Chair	Dr. Jan K. Wachter 	2/15/13
College Dean	Dr. Mary Swinker 	3/6/13
Director of Liberal Studies (as needed)		
Director of Honors College (as needed)		
Provost (as needed)		
Additional signatures (with title) as appropriate:		
UWUCC Co-Chairs	Gail Sechrist 	4/2/13

Please Number All Pages

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Liberal Studies

Course Revision: SAFE 347 Ergonomics

Part II. Description of Curriculum Change

1. New Catalogue Description

SAFE 347 Ergonomics 2c-3l-3cr

Prerequisite: SAFE majors only or instructor permission

Prerequisite or Corequisite: BIOL 104 or BIOL 155

Explores the principles which control human performance and its effect upon the safety and reliability of systems. Engineering anthropometrics, human perception, biomechanics of motion and work posture, work physiology, and human performance measurement are taught in the context of their application in workplace design. Instructs in methodologies for analysis of tasks and human performance requirements. Important human limitations and ergonomic hazard evaluations, such as lifting and repetitive motion tasks, are studied in laboratory sessions.

2. Listing of proposed change including complete old catalog description

The change is to the prerequisites list restricting the course to SAFE majors only.

Old Catalogue Description

SAFE 347 Ergonomics 2c-3l-3cr

Prerequisite or Corequisite: BIOL 104 or BIOL 155 or instructor permission

Explores the principles which control human performance and its effect upon the safety and reliability of systems. Engineering anthropometrics, human perception, biomechanics of motion and work posture, work physiology, and human performance measurement are taught in the context of their application in workplace design. Instructs in methodologies for analysis of tasks and human performance requirements. Important human limitations and ergonomic hazard evaluations, such as lifting and repetitive motion tasks, are studied in laboratory sessions.

3. Justification/rational for the change

This course is a laboratory course offered only once per academic year. There are limited number of lab sessions available and a limited number of students who can attend any given lab session. As such, there is always a waiting list for SAFE majors to take this course, which is a requirement for graduation. Thus it is not feasible to easily accommodate students from other majors or for those wishing to take it as a part of a SAFE minor. Also, the Department wants to avoid the situation where potential transfer students who do not have the required GPA to officially transfer into the SAFE department take most or all of the SAFE courses required for the major and still do not have the required GPA for transferring into the department, thereby forcing a decision to accept and graduate these students despite violating departmental policies of needing to have a required GPA for transferring into the department.