PSM Chemistry Applied and Industrial Chemistry-PrgRsv-2018-02-06

- The workflow icon is no longer available. Please click on the Page Status after the orange circle icon near the page title. *

Form Information

The page you originally access is the global template version. To access the template document that progresses through the workflow, please complete the following steps:

First Step: <u>**ONLY**</u> change the text in the [brackets] so it looks like this: **CRIM 101 Intro to Criminology-CrsRvs-2015-08-10**

- *If DUAL LISTED list BOTH courses in the page title*

Second Step: Click **"SAVE"** on bottom right

- *DO NOT TYPE ANYTHING INTO THE FIRST PAGE OTHER THAN THE TEXT IN BRACKETS*
- *Please be sure to remove the Brackets while renaming the page*

Third Step: Make sure the word *DRAFT* is in yellow at the top of the proposal

Fourth Step: Click on "**EDIT CONTENTS** "(*not EDIT*) and start completing the template. When exiting or when done, click **"SAVE"** (*not Save Draft*) on bottom right

When ready to submit click on the workflow icon and hit approve. It will then move to the chair as the next step in the workflow.
*Indicates a required field

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Proposing Department/Unit*	Chemistry	Contact Phone*	72361

Program Revision Options (Check all that apply)

Program Revision
 	
* Teacher Education: Please complete the Teacher
   Education section of this form (below)
 	
* Liberal Studies: Please complete the Liberal Studies
   section of this form (below)

Program Level:*	graduate-level

Rationale for Proposed Changes	
(A) Why is the program being revised?*	*Our revised program will allow more flexibility to students on choosing courses of their interest.*

| (B) Identify <u>ALL Program Level</u> Student **Learning Outcomes (PSLO)** **Indicate any SLOs that have be changed** **highlighting them in red.***

 • Outcomes must be measurable
 • 4-6 outcomes recommended for degree programs
 • Tracks, concentrations, certificates must have at least one outcome that is unique from a related degree program
 • Minors and majors may share outcomes
 • PLSLOs will be evaluated as part of the program's assessment plan |

Students will be able to :		
#	**Outcome**	**How outcome measured**
1	Analyze data and make scientific arguments to apply, analyze information from multiple sub-disciplines within chemistry.	Student will conduct research and produce a presentation
2	Solve complex, multi-step problems, using problem-solving strategies learned in the classroom and in the lab.	Assignments and exams in one or more graduate-level courses
3	Demonstrate effective and safe chemistry laboratory skills, and be able to use the methods and instrumentation of modern chemistry.	Chemical Safety exam
4	Evaluate novel scientific results, self-direct activities and apply knowledge and skills in or out of the laboratory	Public presentations of research findings

(C) Implications of the change on the program, other programs and the Students:*	*Our revised program will provide more flexibility to students on choosing Chemistry courses of their interest.*

Program Information
(D) Current Program Title*	PROFESSIONAL SCIENCE MASTERS IN APPLIED AND INDUSTRIAL CHEMISTRY
Proposed Program Title *(if changing)*	

(E) Current Narrative **Catalog Description** *If copying pasting from current* *catalog entry, please paste into* *Word or Notepad first to* *eliminate potential issues with* *formatting or special characters* *in the text.*	UG Course Catalog: http://www.iup.edu/registrar/catalog/ Grad Course Catalog:http://www.iup.edu/graduatestudies/catalog/ This program represents IUP's commitment to educating students to be the problem-solvers of tomorrow's industries. Following completion of science proficiency courses, the graduate student will take a set of Professional Development courses designed to augment the student's scientific knowledge with communication, business and management skills to better prepare students to meet the technology challenges of a company. The program will also prepare the student for advancement to management positions within the company.
Proposed Narrative **Catalog Description** *(if changing)*	This program represents IUP's commitment to educating students to be the problem-solvers of tomorrow's industries. In addition to science proficiency courses, the student will take a set of Professional Development courses designed to augment the student's scientific knowledge with communication, business and management skills to better prepare students to meet the technology challenges of a company. The program will also prepare the student for advancement to management positions within the company.
(F) Current and Proposed **Program Requirements**	Attach a Word document showing a side-by-side comparison of the current and proposed program requirements. Please clearly label the attachment as Program Requirements. **File** **Modified** Microsoft Word Document Proposed PSM program 2018.docx Mar 22, 2018 by Avijita Jain

(G) Supporting Documents*	Are you making a major change?
	NO
	If making a major change, please attach a document with a summary of any/all changes.
	Please clearly label the attachment as Supporting Documentation.

File	Modified
Microsoft Word Document Proposed PSM program 2018.docx	Mar 22, 2018 by Avijita Jain

Liberal Studies Section

- Complete this section only for a new Liberal Studies course or Liberal Studies course revision

If Completing this Section, Check the Box to the Right:	**NOTE: you must check this box if the Course/Program has previously been approved for Liberal Studies**

Liberal Studies Course Designations (Check all that apply)	
Learning Skills:	
Knowledge Area:	
Liberal Studies Elective	*Please mark the designation(s) that apply - must meet at least one*
Expected Undergraduate Student Learning Outcomes (EUSLOs)	*Describe how each Student Learning Outcome in the course enables students to become Informed Learners, Empowered Learners and/or Responsible Learners*
	See http://www.iup.edu/WorkArea/DownloadAsset.aspx?id=181694
Description of the Required Content for this Category	*Narrative on how the course will address the Selected Category Content*
All Liberal Studies courses are required to include perspectives on cultures and have a supplemental reading. **Please answer the following questions.**	
Liberal Studies courses must include the perspectives and contributions of ethnic and racial minorities and of women whenever appropriate to the subject matter. Please explain how this course will meet this criterion.	

Liberal Studies courses require the **reading and use by students of at** **least one non-textbook work of** **fiction or non-fiction or a collection** **of related articles. Please describe** **how your course will meet this** **criterion.**	

Teacher Education Section

- Complete this section only for a new Teacher Education course or Teacher Education course revision

If Completing this Section, **Check the Box to the Right:**	**NOTE: you must check this box if the Course/Program has previously been approved for Teacher Education related items**
Course Designations:	
Key Assessments	
	For both new and revised courses, please attach (see the program education coordinator): • The Overall Program Assessment Matrix • The Key Assessment Guidelines • The Key Assessment Rubric **File** **Modified** Microsoft Word Document Proposed PSM program 2018.docx Mar 22, 2018 by Avijita Jain • Drag and drop to upload or browse for files
Narrative Description of the **Required Content**	*How the proposal relates to the Education Major*

Please scroll to the top and click the Page Status if you are ready to take action on the workflow.
Please submit an ihelp if you have any questions http://ihelp.iup.edu