

Curriculum Committee



Change of Course Proposal

School or Division	School of Pure and Applied Sciences
Program or Certificate	List name of program or certificate
Proposed by (faculty only)	Serhiy Pasishnyk
Presenter (faculty only)	List faculty name(s)
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	7/17/2020
Current course prefix, number, and title	General Chemistry I Laboratory – CHM 2045L
All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal. <input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	

<i>Curriculum Committee Chair Signature</i>	<i>Date</i>
<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	

<i>Provost Signature</i>	<i>Date</i>
All Curriculum proposals require review by the Office of Accountability & Effectiveness.	
<input type="checkbox"/> Reviewed	

<i>Office of Accountability & Effectiveness Signature</i>	<i>Date</i>

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2020
Provide an explanation below for the requested exception to the effective date.	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	Signature	Date
Type name here		
Provost	Signature	Date
Dr. Eileen DeLuca		

Required Endorsements	Type in Name	Select Date
Department Chair or Program Coordinator/Director	Peggy A. Romeo	7/17/2020
Academic Dean or Provost	Donald J. McGarey	7/17/2020
List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).		
Type in all applicable faculty names here		
Serhiy Pasishnyk		
Kim Hilton		
Di Xue		
Qin Liu		
Valentin Zalessov		

Section II, Proposed Changes

Change to course prefix and number Lecture/lab course combined must include "C" / lab course must include "L"	List new course prefix and number
Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Provide justification for the proposed prerequisite(s).	
Change to course title	List new course title
Does the Course Title Change affect other courses? (Ex: If Guitar I becomes Intro to Guitar, should Guitar II become Guitar I?)	
Change of School, Division, or Department	List new school, division, or department

Change to course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D")	From: To:
Change to course co-requisites	From: To:
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	Choose an item. List the co-requisite
Change to course credits or clock hours	From: To:
Change to contact hours (faculty load)	From: To:
Are the Contact hours different from the credit/lecture/lab hours?	
Change to grade mode	Standard Grading (A, B, C, D, F)
Change to credit type	College Credit
Change to course description (provide below)	
Type in entire new course description here	

Change to general topic outline (type in entire new outline below)
<p>Topic Outline may include:</p> <ul style="list-style-type: none"> • Laboratory safety • Measurements in the laboratory. • Using graphs and statistical analysis to interpret and analyze experimental data. • Electronic structure of atom and periodic properties. • Lewis structures and molecular shapes. • Determining empirical formula. • Classification of Chemical Reactions. • Stoichiometry of chemical reactions and Job`s plot. • Percent composition of a mixture. • Standardization of a base and acid-base titration. • Preparation and analysis of solutions using Beer`s law. • Gas laws: Dumas method and determination of zero Kelvin. • Thermochemistry of neutralization or other reactions.

Change to Learning Outcomes: For information purposes only.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected: (This list of course learning outcomes has been better defined and extended).

- List, explain, and apply the basic safety rules and procedures in the chemistry laboratory.
- Recognize and correctly use standard laboratory glassware and analytical equipment for conducting experiments.
- Demonstrate the correct measuring of mass, volume, temperature, and pressure and report the measurements using correct significant figures and scientific notation.
- Use common laboratory techniques such as filtration, colorimetry, calorimetry, titration, gravimetric analysis, and flame tests in the lab.
- Explain and use basic scientific laws, concepts, and models in experiments and calculations.
- Compare, contrast, and explain the physical and chemical properties and changes of elements and compounds based on the atomic and molecular structure.
- Interpret the experimental data, perform calculations, summarize the scientific findings, and draw conclusions.
- Generate and use graphs including those based on Excel (or similar software) analyze, calculate, or interpret experimental data.
- Communicate the results of the experiment in the form of a lab report.

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for

Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Section III (must complete each item below)

Should any major restrictions be listed on this course? If so, select "change" and list the appropriate major restriction codes or select no change.	Choose an item. List applicable major restriction codes
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Change course to an “International or Diversity Focus” course?	No, not International or Diversity Focus
Change course to a General Education course?	No
Change course from General Education to non-General Education?	No
Change course to a Writing Intensive course?	No
Change course from Writing Intensive to non-Writing intensive?	No
Change course to repeatable? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Choose an item. If repeatable, list maximum number of credits

Impact of Change of Course Proposal	
Will this change of course proposal impact other courses, programs, departments, or budgets?	No
If the answer to the question above is “yes”, list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	
This proposal was discussed with Chemistry faculty only	
Will this change of course proposal impact library services or budgets?	No
If the answer to the question above is “yes”, list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	
This proposal was discussed with Chemistry faculty and the Dean of the School of Pure and Applied Sciences, and reviewed by the same people in addition to the Science Department Chair.	

Section IV, Justification for proposal

Provide justification (below) for each change on this proposed curriculum action.
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The proposed changes to the Topic Outline better correspond to the OER book recently adopted for the lecture course and reflect changes in the laboratories used by the Department of Chemistry and in the newly created new laboratories.

The proposed changes to the Course Learning Outcomes are better defined and more complete than the existing CLOs. Also, the proposed changes better correspond to the requirements of the Quality Matters Rubric and allow better alignment of the Modules' and Labs' Objectives with the Course Learning Outcomes.

Changes were made with review by all full-time chemistry professors at FSW and their feedback.