

Change of Course Proposal

NOTE: Changes to *Course Prefix and/or Course Number* require completion of a *New Course Proposal* rather than this Course Change Proposal.

SECTION I: KEY INFORMATION

Submission date	9/30/2020
Proposed by (faculty only)	Serhiy Pasishnyk
Presenter (faculty only)	Serhiy Pasishnyk
NOTE: Faculty presenter must be present at the Curriculum Committee meeting or the proposal will be returned to the School to be resubmitted for a later date.	
School	Pure and Applied Sciences
Course prefix, number, and title	CHM 2045L GENERAL CHEMISTRY I LABORATORY (1 CREDIT)
NOTE: Proposer MUST run an Impact Report to determine all programs, certificates, and courses that may be affected by the proposed change(s) and enter all below. Append the Impact Report in Section VI. For help with this step, please contact Jeffrey Peterman, Coordinator of Curriculum and Catalog Services: jpeterman@fsw.edu	
Programs, Certificates, and/or Courses affected by the proposed changes: No	
NOTE: Proposer MUST append a Catalog page with changes marked for <i>each</i> affected Degree Program or Certificate, including any changes to General Education. Additional instructions for marking and attaching Catalog pages are given in Section VI.	

SECTION II: TERM IN WHICH ACTION WILL BECOME EFFECTIVE

NOTE: Course Changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Actions approved in the Fall semester take effect in the following academic year. Actions approved in the Spring semester take effect after one additional year. Syllabus changes may take effect sooner. Exceptions to published deadlines or effective dates must receive approval from the Academic Dean and Provost.	
Academic term in which approved action will take effect	Exception (Requires explanation and approval)
If requesting an exception to the effective date, provide an explanation below.	

Explanation for exception: As we have developed new courses and new labs (to match our teaching modalities), that better relate to the proposed topic outline and learning outcomes, we would like to have the changes approved earlier than next fall.

SECTION III: PROPOSED COURSE CHANGES

Summary of Proposed Changes	
Please provide a summary list or brief description of proposed changes. <i>Insert details in following sections as needed.</i>	
Change of Topic Outline	
Change of Course Learning Outcomes	
Justification for Proposal	
Please provide justification for each proposed change.	
Change of Topic Outline: The proposed Lab outline better correlates with the content of CHM2045 OER Book which was adopted recently and is used in CHM2045 (paired corequisite). It covers the topics of newly developed labs for the online and hybrid courses including Thermochemistry. Also, the topics got a broader description to cover the possible changes or new lab developed.	
Change of Course Learning Outcomes: The proposed outcomes better correlate with the content of CHM2045 OER Book which was adopted recently and the newly developed labs for the online and hybrid courses including Thermochemistry. The new outcomes are easier to use when designing the online course as they are adapted to the requirements of the QM Rubric. Also, they are more detailed which makes the set of outcomes more student-centered and friendly.	
NOTE: Complete the next section by indicating proposed course changes. Skip fields that are not applicable to your curriculum action.	
Change of School or Department	From: To:
Change Course Title	From: To:
Does the Course Title change affect other sequenced courses? (Ex: If changing <i>Guitar I</i> to <i>Intro to Guitar</i> will <i>Guitar II</i> also be renamed?)	No IF YES, list all course changes in the sequence.
Change Course Description	
From: To:	

Change Topic Outline	
<p>From:</p> <ul style="list-style-type: none"> • Laboratory safety • Statistical analysis of data • Determining empirical formula • Job`s plot • Percent composition of a mixture • Standardization of a base • Acid-base titration • Beer`s law • Dumas method • Determination of zero Kelvin • Molar mass from freezing point data <p>To:</p> <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 and stoichiometry of chemical reactions including 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, including Dumas method and determination of zero Kelvin. • Thermochemistry of neutralization or other reactions. 	
Change Course Prerequisite(s)	<p>From:</p> <p>To:</p>
Provide justification for the proposed changes to pre-requisite(s).	Enter pre-requisite justification
Change Course Corequisites	<p>From:</p> <p>To:</p>
Provide justification for the proposed changes to co-requisite(s).	Enter co-requisite justification
<p>Should this course be listed as a corequisite on a paired course? (Ex. CHM 2032 and CHM 2032L are “paired corequisites.”)</p>	<p>Choose an item.</p> <p>CHM2045 and CHM2045L are “paired corequisites”</p>
Change Minimum Grade	From:

(Include minimum grade if higher than a D)	To:
Change Course Credits or Clock Hours	From: To:
Change Contact Hours (faculty load) (Ex.: ESC 1000C is 3 credits with 4 contact hours for instructor/lab prep.)	From: To:
Change Grade Mode	Choose an item.
Change Credit Type	Choose an item.
Should any Degree or Major Restriction codes be listed on this course? (i.e., "This course may only be taken by students who have been admitted to X Program")	List applicable Major or Degree Restriction codes:
Change repeatability status of course? * <i>*Not the same as Multiple Attempts or Grade Forgiveness</i> A repeatable course may be taken more than once for additional credits. (Ex: MUT 2641, a 3- credit course, can be repeated 1 time for a maximum of 6 credits).	No change If repeatable, list maximum number of credits
Change General Education status of course?	No change
Change Writing Intensive designation?	No change
Change "International or Diversity Focus" designation?	No change

SECTION IV: Changes to Learning Objectives (Information Only)

Changes to Course Competencies, Learning Outcomes and Objectives:

Changes to Syllabus Section IV - A. General Education Competencies – 1. Integral and/or 2. Supplemental
NOTE: All FSW courses must include <i>one or more</i> "Integral" and <i>zero or more</i> "Supplemental" General Education CREATIVE competencies. <i>Course objectives/outcomes</i> that support the selected General Education Competency should be listed directly under the competency.
Changes to 1. Integral General Education Competency or Competencies:
From:
To:

Changes to *Course Outcomes/Objectives* supporting each *Integral* competency:

From:

- Collect, analyze and interpret experimental data.
- Interpret graphical representations of data.
- Prepare a formal written presentation demonstrating the analysis and evaluation of scientifically gathered data.

To:

- 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.

Changes to 2. *Supplemental* General Education Competency or Competencies:

From:

To:

Changes to *Course Outcomes/Objectives* supporting each *Supplemental* competency:

From:

To:

Changes to IV - B: Florida Statute requirement

NOTE: Part B is ONLY included on syllabi for *General Education Core courses*. All other syllabi (including "other General Education" courses) OMIT this statement.

Are you requesting a course status change under part B?

No

If YES, complete the sentence by selecting the appropriate option from the drop-down menu.

Choose an item.

<i>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:</i>	
Changes to IV - C. Additional Course Learning Objectives or Outcomes	
NOTE: This section is for additional course-specific learning objectives that do not contribute to assessment of the General Education Competencies listed above. For all courses <i>other than the General Education Core courses</i> , this section will be labeled IV - B: on the course syllabus.	
Changes to Course Learning Objectives and/or Outcomes:	
From:	
To:	

SECTION V: IMPACTS OF PROPOSED CHANGES AND FACULTY ENDORSEMENTS

Will the proposed change(s) affect the <i>budgets</i> of any programs or departments?	No
List affected departments, programs, etc., and explain the <i>budgetary</i> impacts.	
Have you discussed the <i>academic and/or budgetary impact</i> of the proposed changes with affected parties, including Deans?	Yes
Provide detailed information about your discussion: The changes were discussed with the Dean. As a result of the discussion, the following conclusion was made: The proposed changes will not affect the college budget. The changes will positively affect the student budget since they are targeting the adoption of the OER resources The changes will have a positive academic effect on the: Developing new online courses. Implementing OER educational resources. Helping students who cannot attend face-to-face classes to take our college chemistry courses as a result of the development of online courses. Helping students to better navigate the course.	
Will the proposed change(s) impact Library services or budgets?	No
Have you discussed impacts with the Libraries' Collection Manager?	No
Faculty Endorsements for Change of Course	
NOTE: Proposals will be returned if faculty endorsements are not provided.	
List names of department/program faculty who support this proposal.	

SECTION VI: ATTACHMENTS

Please save all documents in Word format (.doc, .docx) rather than pdf.

- **Impact Report:** Attach Impact Report results or a Summary of Programs, Certificates, and Courses impacted by the proposed course changes.
- **Catalog Changes:** Attach Word files [with Track Changes on] indicating changes to all Catalog pages that are affected by this Change of Course Proposal.
- **New Course Syllabus** [Master] reflecting proposed changes, as appropriate
 - **INSTRUCTION:** To make changes to Syllabus Section IV, you will need to obtain an “unlocked” version of the Master Syllabus from your School’s Administrative Assistant. Use Word’s *Track Changes* function to show all proposed changes on the Syllabus Master.
- Any relevant supporting documents justifying changes
- **UPLOAD THIS PROPOSAL AND ALL NECESSARY ATTACHMENTS TO CURRICULOG.**