

Information Item**Changes to Course Competencies and Learning Outcomes**

This form is used for changes to **Syllabus Section IV. Course Competencies, Learning Outcomes and Objectives.**

Changes to the course Syllabus must be submitted to the Curriculum Committee as **Information Items** to enter the college's workflow process. Information Items are checked by the Committee for accuracy and relevancy and forwarded to the Provost for approval. Once approved, updated syllabi are made available to all instructors, the State, and SACSCOC.

**SECTION I: KEY INFORMATION**

Submission Date	9/30/2020
Proposed by (faculty only)	Serhiy Pasishnyk
Presenter (faculty only)	Serhiy Pasishnyk
<b>NOTE:</b> 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 & Applied Sciences
Course prefix, number, and title	General Chemistry II Laboratory – CHM 2046L

**SECTION II: TERM IN WHICH ACTION WILL BECOME EFFECTIVE**

<b>NOTE:</b> Proposals 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. <b>Exceptions to published deadlines or effective dates must receive approval from the Academic Dean and Provost.</b>	
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 CHANGES**

**Syllabus Section IV: Course Competencies, Learning Outcomes and Objectives**

IV. **ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL**

**EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:**

Communicate clearly in a variety of modes and media.

Research and examine academic and non-academic information, resources, and evidence.

Evaluate and utilize mathematical principles, technology, scientific and quantitative data.

Analyze and create individual and collaborative works of art, literature, and performance.

Think critically about questions to yield meaning and value.

Investigate and engage in the transdisciplinary applications of research, learning, and knowledge.

Visualize and engage the world from different historical, social, religious, and cultural approaches.

Engage meanings of active citizenship in one's community, nation, and the world.

**Changes to Course Competencies, Learning Outcomes and Objectives:**

**Changes to IV – A. General Education Competencies – 1. Integral and/or 2. Supplemental**

**NOTE:** All FSW courses must include *one or more* "Integral" and *zero or more* "Supplemental" General Education competencies. *Course objectives/outcomes* that support the selected General Education Competency should be listed directly under the competency.

**List changes to 1. *Integral* General Education Competency or competencies: **No Change****

**From:**

**To:**

**List changes to *Course Outcomes/Objectives* supporting each *Integral* competency:**

**From:**

- List and explain basic chemistry laboratory safety rules, regulations, and procedures.
- Use basic chemistry laboratory safety rules, regulations, and procedures to safely complete chemistry laboratory experiments.
- Collect and analyze data, including graphical analysis, to determine thermodynamic, kinetic, equilibrium, and electrochemical properties of selected chemical systems.
- Solve numerical problems to determine thermodynamic, kinetic, equilibrium, and electrochemical properties of selected chemical systems

**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.
- Identify and use basic scientific laws, concepts, and models in experiments and calculations.
- Perform quantitative measurements to determine the colligative, thermodynamic, acid-base, kinetic, equilibrium, and electrochemical properties of the selected chemical systems.
- Interpret and analyze the experimental data, perform calculations, summarize the scientific findings, and draw conclusions.

<ul style="list-style-type: none"> <li>• Generate and use graphs, including manual or based on Excel (or similar software), to analyze, calculate, or interpret experimental and graphical data.</li> <li>• Communicate the results of an experiment in the form of a laboratory report.</li> </ul>	
<b>List changes to 2. <i>Supplemental</i> General Education Competency or competencies:</b> <b>From:</b> <b>To:</b>	
<b>List changes to <i>Course Outcomes/Objectives</i> supporting each <i>Supplemental</i> competency:</b> <b>From:</b> <b>To:</b>	
<b>Changes to IV – B. Florida Statute requirement</b> <b>NOTE:</b> Part B is ONLY included on syllabi for <i>General Education Core courses</i> . All other syllabi (including “ <i>other General Education</i> ” courses) OMIT this statement.	
<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>  Complete the sentence as appropriate under the Statute by selecting an option from the drop-down menu.	Natural Sciences
<b>Changes to IV – C: Additional Course Learning Objectives or Outcomes</b> <b>NOTE:</b> 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 <b>IV - B:</b> on the course syllabus.	
<b>List changes to Additional Course Learning Objectives or Outcomes:</b> <b>From:</b> <b>To:</b>	

#### **SECTION IV: FACULTY ENDORSEMENTS**

<b>Faculty Endorsements for Syllabus Section IV Changes</b> <b>NOTE:</b> Proposals will be returned if faculty endorsements are not provided.
List names of department/program faculty who support this proposal. <b>Eric Commendatore; Kimberly Hilton; Qin Liu; Di Xue; Valentin Zalessov</b>

#### **SECTION V: ATTACHMENTS**

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

- Course Syllabus [Master] - REQUIRED

**INSTRUCTION:** You will need to obtain an “unlocked” version of the Master Syllabus from your School’s Administrative Assistant to make changes to Section IV. Use Word’s *Track Changes* function to show all proposed changes on the Syllabus Master.

**UPLOAD THIS DOCUMENT AND ALL NECESSARY ATTACHMENTS TO CURRICULOG.**