Course Change Request

A deleted record may not be edited and the course number may not be re-used until 5 years have passed since the course's inactivation.

Course Deactivation Proposal

Date Submitted: 09/28/18 7:33 am

Viewing: CHEM 251 : General Chemistry for Engineers

Last approved: 08/29/17 4:18 am

Last edit: 09/28/18 7:33 am

Changes proposed by: grobert1

Catalog Pages referencing this course

Bioengineering (BENG)

Chemistry (CHEM)

Justification for deactivation

The 4 credit CHEM 251 course has been decoupled into CHEM 271 (3 credit hour lecture) plus CHEM 272 (1 credit hour lab).

In Workflow

1. **Registrar-Courses:Inactivate**
2. **CHEM Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. Assoc Provost-Undergraduate
6. Registrar-Courses
7. Banner

Approval Path

1. 10/01/18 3:21 pm Tory Sarro (vsarro): Approved for Registrar-Courses:Inactivate
2. 10/01/18 3:27 pm Gerald Weatherspoon (grobert1): Approved for CHEM Chair

History

1. Aug 29, 2017 by Priyanka Champaneri (pchampan)

Are you completing this form on someone else's behalf?

~~No~~

Effective Term: Spring 2019

Subject Code: CHEM - Chemistry

Course Number: 251

Bundled Courses:

Equivalent Courses:

Catalog Title: General Chemistry for Engineers

Banner Title: General Chem for Engineers

Will section titles vary by semester? No

Credits: 4

Schedule Type: Lecture w/Lab

Hours of Lecture or Seminar per week: 3

Hours of Lab or Studio per week: 3

Repeatable: May only be taken once for credit (NR)

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(				)	Concurrency?

		Course/Test Code	Min Grade/Score	Academic Level		

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Level(s):

Degree(s):

School(s):

Catalog Description:

Fundamental principles of chemical structure and reactivity including atomic and molecular structure; chemical bonding; structures of ionic, covalent, and metallic lattices; oxidation reduction; electrochemistry and chemistry of metals; and introduction to organic chemistry and polymers. Notes: Enrollment restricted to students intending to major in engineering. Students who need two semesters of chemistry should enroll in CHEM 211. Credit will not be given for this course and CHEM 211.

Justification:

Does this course cover material which crosses into another department? No

Learning Outcomes:

Attach Syllabus

Additional Attachments

Select the Mason Core Requirement the course is proposing to fulfill:

Foundation Courses:

Exploration Courses:

Natural Sciences w/Lab

Integration Courses:

Natural Sciences with Lab

Course must meet the following learning outcomes:

1.Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding: a) evolves based on new evidence, and b) differs from personal and cultural beliefs

2. Recognize the scope and limits of science.

3. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.).

4. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).

5. Participate in scientific inquiry and communicate the elements of the process, including: a) making careful and systematic observations, b) developing and testing a hypothesis, c) analyzing evidence, and d) Interpreting results.

Describe the overall rationale for designating this course as Natural Sciences with Lab Mason Core.

previously approved

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

previously approved

Additional Comments:

~~administrative changes in prep for CIM launch~~

Reviewer Comments

Key: 2221