Course Change Request

Date Submitted: 01/25/18 1:01 pm

Viewing: CHEM 211 : General Chemistry I

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

Last edit: 01/25/18 1:01 pm

Changes proposed by: grobert1

Catalog Pages referencing this course

Bioengineering (BENG)

Biology (BIOL)

Select modification type:

~~Specialized Course Designation~~

Simple

In Workflow

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

Approval Path

1. 01/25/18 2:30 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: Summer 2018

Subject Code: CHEM - Chemistry

Course Number: 211

Bundled Courses:

Equivalent Courses: CHEM 105 - Introductory Chemistry Laboratory I
CHEM 106 - Introductory Chemistry Laboratory II
CHEM 201 - Introductory Chemistry I

Catalog Title: General Chemistry I

Banner Title: General Chemistry I

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May ~~only~~ be **only** taken once for credit, limited to **3** ~~2~~ attempts **(N3)** ~~(N2)~~

Max Allowable Credits:
9 ~~6~~

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	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		CHEM 213	C	UG		Yes
Or		CHEM U213	T	UG		Yes
Or		CHEM 213T	T	UG		Yes

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 atomic and molecular structure; chemical bonding; basic concepts of chemical reactions and thermochemistry; properties of gases, liquids, and solids. Notes: Credit will not be given for this course and CHEM 103, 104. Students majoring in science, engineering, or mathematics should choose this course sequence. CHEM 211 is a prerequisite to CHEM 212.

Justification:

Correction for number of attempts student can self enroll without intervention.

Changing value to N=3, which matches departmental intention instead of the previous N=2 value.

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

Learning Outcomes:

Attach Syllabus (PDFs only)

Additional Attachments (PDFs only)

Specialized Course Categories:

Mason Core

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: 2211