

Course Change Request

Date Submitted: 01/25/18 1:03 pm

Viewing: **CHEM 212 : General Chemistry II**

Transfer Course(s): CHEM U212

Last approved: 08/29/17 4:19 am

Last edit: 01/25/18 1:03 pm

Changes proposed by: grobert1

**Catalog Pages
referencing this
course**

[Biology \(BIOL\)](#)

[Chemistry \(CHEM\)](#)

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:

212

Bundled Courses:

Equivalent Courses: CHEM 202 - Introductory Chemistry II

Catalog Title: General Chemistry II

Banner Title: General Chemistry II

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 211	C	UG		
Or		CHEM 211T	T	UG		
Or		CHEM U211	T	UG)	
And	(CHEM 213	C	UG		
Or		CHEM 213T	T	UG		
Or		CHEM U213	T	UG)	

And	(CHEM 214	C	UG		Yes
Or		CHEM 214T	T	UG		Yes
Or		CHEM U214	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:

Fundamentals of colligative properties, reaction rates and equilibrium. Topics Include kinetics, properties of solutions, ionic equilibrium, chemical thermodynamics, electrochemistry, and nuclear chemistry. 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.

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**

