Course Change Request

Date Submitted: 10/22/21 11:20 am

Viewing: CHEM 422 : Instrumental Methods of Chemical Analysis

Last approved: 05/08/20 4:47 am

Last edit: 11/12/21 8:57 am

Changes proposed by: msikowit

Catalog Pages referencing this course

Chemistry (CHEM)

Computational Science and Informatics (CSI)

Select modification type:

Substantial

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. 10/22/21 6:47 pm Gerald Weatherspoon (grobert1): Approved for CHEM Chair

History

1. Feb 14, 2019 by Megan Erb (msikowit)
2. May 8, 2020 by Tory Sarro (vsarro)

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

No

Effective Term: Fall 2022

Subject Code: CHEM - Chemistry

Course Number: 422

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Instrumental Methods of Chemical Analysis

Banner Title: Instrum Meth of Chem Analysis

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

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

Max Allowable Credits: 9

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

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

Remove CHEM 337, Add prerequisite CHEM 336 with min C

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	CHEM 321	C	UG		
Or		CHEM 321	XS	UG	)	
And	(	CHEM 332	C	UG		
Or		CHEM 332	XS	UG	)	
And	(	CHEM 337	C	UG		
Or		CHEM 337	XS	UG	)	

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:

Introduces theories of analysis by instrumental methods. Basic electronics applied to chemical measurements. Topics include introduction to theory of spectroscopy including ultraviolet, visible, and infrared, and electrochemical methods of analysis; theory of Fourier transform techniques such as FT-IR and FT-NMR; and theory of advanced pulse techniques.

Justification:

What: Removing the required prerequisite of CHEM 337 and replacing it when CHEM 336.

Why: This allows students more flexibility in scheduling. CHEM 337 is not required for success in CHEM 422.

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 2245