



Academic Notes

ACADEMIC NOTES PUBLICATION SCHEDULE

Below is the publication schedule for the electronic copy of *Academic Notes* through August 11, 2014. All submissions for inclusion in *Academic Notes* are due in the Office of Academic Affairs no later than 11:00 a.m. on the Deadline for Items date shown below. Submissions must be in hard copy along with an email, zip drive, or CD with the same information. The electronic version must be formatted either in Word with pages with signatures scanned and inserted as a picture OR PDF saved as text and image. (Do NOT send PDF just saved as an image.) Information submitted to *Academic Notes* that is not accompanied by an electronic version or that is incomplete or unusable will be returned to the appropriate office. *Academic Notes* is available using Acrobat Reader at http://www.indstate.edu/academicaffairs/academic_notes.htm

If you have questions, please contact Yvonne Russell in Academic Affairs, extension 3662.

ACADEMIC NOTES PUBLICATION SCHEDULE

FALL 2014

<u>Deadline for Items</u>	<u>Issue Date</u>
September 10	September 22
September 17	September 29

CURRICULUM

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UNDERGRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Chemistry and Physics

CHEM 321 - Analytical Chemistry

3 credits

An introduction to the principles and practices of quantitative analytical chemistry. The course covers the fundamentals of statistical data analysis, application of chemical equilibria to gravimetry and titrimetry, electrochemistry, chemical separations, and spectroscopy.

Prerequisites: CHEM 106, 106L, and concurrent enrollment in CHEM 321L.

Change description and title to:

CHEM 321 - Analytical Chemistry I

3 credits

CHEM 321 is the first in a two-course sequence followed by CHEM 421, and is an introduction to the principles and practices of quantitative analytical chemistry with an emphasis on classical quantitative analytical chemistry.

Prerequisites: CHEM 106, 106L, and concurrent enrollment in CHEM 321L.

A-F Grading

Effective term: Fall 2015

CHEM 321L - Analytical Chemistry Laboratory

1 credits

A series of laboratory-based experiments that provide students hands-on experience with the application of fundamental analytical chemistry laboratory techniques.

Prerequisites: CHEM 106, 106L, and concurrent enrollment in CHEM 321.

Change description and title to:

CHEM 321L - Analytical Chemistry I Laboratory

1 credits

CHEM 321L is the laboratory counterpart to CHEM 321 and provides students with practical hands-on experience with many of the most fundamental techniques that are the foundation of classical quantitative analytical chemistry.

Prerequisites: CHEM 106, 106L, and concurrent enrollment in CHEM 321.

A-F Grading

Effective term: Fall 2015

CHEM 421 – Instrumental Methods of Analysis

3 credits

Principles and applications of instrumental analytical chemistry, including signal and noise analysis, design and application of atomic and molecular spectroscopic and mass spectrometric instrumentation, and chromatographic methods of separation are discussed.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in 421L.

Note: Open to graduate students. Graduate students are required to do additional work of

research nature.

Change description and title to:

CHEM 421 - Analytical Chemistry II

3 credits

A continuation of CHEM 321. This course is a comprehensive study of the fundamental principles and applications of modern instrument-based analytical chemistry.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in 421L.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

A-F Grading

Effective term: Fall 2015

CHEM 421L – Instrumental Methods of Analysis Laboratory

1 credits

A series of experiments that provide students hands-on experience with a variety of advanced analytical instruments, their components, and their functions.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in CHEM 421.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

Change description and title to:

CHEM 421L - Analytical Chemistry II Laboratory

1 credit

CHEM 421L is the laboratory counterpart to CHEM 421. This course provides students practical hands-on experience with modern analytical instruments, their components, and applications.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in CHEM 421.

Note: Open to graduate students. Graduate students are required to do additional work of a research nature.

A-F Grading

Effective term: Fall 2015

GRADUATE APPROVALS

COURSE REVISIONS

COLLEGE OF ARTS AND SCIENCES: Chemistry and Physics

CHEM 521 – Instrumental Methods of Analysis

3 credits

Principles and applications of instrumental analytical chemistry, including signal and noise analysis, design and application of atomic and molecular spectroscopic and mass spectrometric instrumentation, and chromatographic methods of separation.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in 521L.

Note: Three class hours and three laboratory hours per week.

Change description and title to:

CHEM 521 - Analytical Chemistry II

3 credits

A continuation of CHEM 321. This course is a comprehensive study of the fundamental principles and applications of modern instrument-based analytical chemistry.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in 521L.

A-F Grading

Effective term: Fall 2015

CHEM 521L – Instrumental Methods of Analysis Laboratory

1 credits

A series of experiments that provide students hands-on experience with a variety of advanced analytical instruments, their components, and their functions.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in CHEM 521.

Change description and title to:

CHEM 521L - Analytical Chemistry II Laboratory

1 credit

CHEM 521L is the laboratory counterpart to CHEM 521. This course provides students practical hands-on experience with modern analytical instruments, their components, and applications.

Prerequisites: CHEM 321, 321L, and concurrent enrollment in CHEM 521.

A-F Grading

Effective term: Fall 2015