

Advanced Inorganic Chemistry and Instrumentation Laboratory – Spring 2024 Academic Fair Handout

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Home page UNTIL Canvas is available: [<https://sites.evergreen.edu/advancedinchem/>]. Can access from Evergreen Academic Web Pages

Pre-requisites: All students must have one year of college chemistry

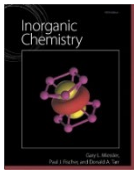
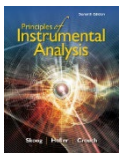
Preparing for this program: Review general chemistry (faculty will assume you know this material)

Credits Offered: All credits (16) are upper division science credits:

- 12 Advanced Inorganic Chemistry
- 4 Instrumentation Laboratory

Part-time options: Advanced Inorganic chemistry is available for part time students (for 12 credits). Students take this part time options at their own risk – i.e. faculty cannot make special accommodations.

Textbooks: Scientific calculator is required.

	Required for Inorganic Chemistry Inorganic Chemistry, 5th Edition , Gary L. Miessler, Paul J. Fischer, & Donald A. Tarr Pearson Publishers, 2014, ISBN-13: 978-0321811059, ISBN-10: 0321811054
	Required for Inorganic Chemistry You need to have access to a molecular model kit. If you are looking to purchase I recommend https://www.cochranes.co.uk/show_product.asp?id=399 [Orbit Organic and Inorganic Individual Set, Product Code: 0027]
	Required for Lab only Principles of Instrumental Analysis, 7th Edition, D. A. Skoog; F. J. Holler; S. R. Crouch, Brooks/Cole/Cengage Publishers, 2018 ISBN: 9781305577213 A different edition could be used
	Required for Lab only: A bound lab notebook (no lose pages, not ring bound)

Note about textbook editions –

- Homework problems for **inorganic chemistry** will be assigned from the 5th edition. If you have an older edition, please get the correct assignment from fellow students. Copy of each text will be in the Library for student use.
- **For Instrumentation analysis** – you can purchase an older edition of the textbook. Homework problems will NOT be assigned from this book.

**Advanced Inorganic Chemistry and Instrumentation Laboratory – Spring 2024
Schedule**

Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 - Lab students meet in Lab II, 3221 at 9:30 am for safety lecture and reconnoiter. Lab Work all day Lab II, 3221	Week 1 – first class meeting at 9:30 am 9:30-11:30 Inorganic Chemistry (not week 2) Homework assigned and due in one week	9:30-11:30 Inorganic Chemistry (not week 2)	9:30-11:30 Inorganic Chemistry (weeks 1, 2, and 3 ONLY)	9:30-11:30 Inorganic Chemistry (Not during week 1)
You will work with the science instructional technician to set up your lab times each week. While you have multiple scheduling options, you will not be in the lab during ALL of the allocated times every week.	12:30-2:30 Inorganic Chemistry (not week 2) 3-5:30 Introduction to Lab Work Lab II, 3221 and CAL WEST	12-1 Inorganic Chemistry (not week 2) After 1 PM Lab work, Lab II, 3221	Afternoon, Weeks 1, 2, & 3 Lab work, Lab II, 3221 Weeks 4-10 Lab Work all day Lab II, 3221	12:30-2 Inorganic Chemistry (Not during week 1) 2:30-3:30 Problem solving workshop 4-6 Exams during weeks 4, 7, 10