

# CHEMISTRY 254 Inorganic Laboratory

Summer 2018

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Discussion, **Course Instructor** (ISC 2031, ext. 12546, jcmolloy@wm.edu)

1. Lab discussion attendance policy: **MANDATORY**.  
**Each** unexcused absence will result in a **25-point reduction** in your **lab report grade** for that experiment.
2. You **must** have a copy of Lab Manual for Chem 254.
3. Calculators are mandatory for calculations in every lab exercise.
4. Each student must provide personal eye protection. **Splash goggles are required to perform the lab** and may be purchased at the College Bookstore or elsewhere.
5. Reports must be written in ink on the report sheets torn from the lab manual. **Do not erase or white-out data**. If a digit is to be changed, draw a single line through the incorrect digit and write the correct digit **above**, not over, the crossed-out digit. "Erasable ink" is graded as **pencil**.
6. Reports must be completed in the laboratory and handed in prior to leaving the laboratory.

## Laboratory Schedule for Summer 2018

Dates	Expt. #	Experiment
July 2	<b>1</b>	Determination of Chloride and Vitamin C
July 3	<b>2</b>	Some Analyses of Water
July 9 <b>Quiz</b>	<b>3</b>	pH and Potentiometric Titrations
July 10	<b>4</b>	Equilibria of Sparingly Soluble Salts
July 11	<b>5</b>	Determination of a Cation Mixture using Cation Exchange
July 12		<b>Chem 208 Exam I Help Session</b>
July 16 <b>Quiz</b>	<b>6</b>	Inorganic Synthesis of Alum and CuCl
July 17	<b>7</b>	Electrochemistry
July 18	<b>8</b>	Synthesis of a Coordination Compound (Week 1)
July 19		<b>Chem 208 Exam II Help Session</b>
July 23 <b>Quiz</b>	<b>9</b>	Complexes of Copper, Part A
July 24	<b>8</b>	Synthesis of a Coordination Compound (Week 2)
	<b>9</b>	Complexes of Copper, Part B
July 25	<b>10</b>	Determination of the Mole Ratio in a Complex
July 26		<b>Chem 208 Exam III Help Session</b>
July 30 <b>Quiz</b>	<b>11</b>	Analysis of a Coordination Compound
July 31		<b>Review Session for final exam.</b>
Aug 1		<b>Final Exam</b> , taken in the <b>lab</b> in which you are registered

**Grading:** Experiments: 60% Quizzes: 20% Final: 20%

**A:** 100-95, **A-:** 94-90, **B+:** 89-87, **B:** 86-83, **B-:** 82-80, **C+:** 79-77,

**C:** 76-73, **C-:** 72-70, **D+:** 69-67, **D:** 66-63, **D-:** 62-60, **F** < 60