Syllabus

Instructor
• Orion B. Berryman, Chem 207, orion.berryman@umontana.edu
  o Office hours: by appointment

Head teaching assistant
• Eric John, eric.john@umconnect.umt.edu
  o Section 03
  o Office hours (Chemistry Learning Center): Tuesday 12:00–1:00 pm and by appointment

Teaching assistants
• Jasper Aquino, jasper.aquino@umontana.edu
  o Sections 2 and 4
  o Office hours (Chemistry Learning Center): Tuesday and Thursday 3:00–4:00 pm
• Robert Rauschendorfer, robert.rauschendorfer@umontana.edu
  o Sections 1, 5, and 6
  o Office hours (Chemistry Learning Center): Tuesday and Thursday 10:00–11:00 am

Purpose
• Perform standard organic chemical reactions
• Use basic chemical analysis techniques
• Develop a knowledge and understanding of the world at the molecular level

Requisites
• One semester of a 100-level chemistry lab course (or equivalent)
• CHMY 221 is a co-requisite

Requirements
• A bound notebook of any type
• Splash-protection safety goggles

Optional reading

Format
• Each section has two hours of class twice a week
• A mini-lecture on procedures, methods, and safety will occur in lab before the start of each class
• Class time will be spent in the laboratories located in Clapp building (CHCB) 213 or 217s

Evaluation
• Your grade will be based on seven lab reports and pre- and post-lab Moodle quizzes
• Point distributions and percentages of total points for grades are:
### Point breakdown

<table>
<thead>
<tr>
<th>Points</th>
<th>% of total points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>490</td>
<td>90%–100%</td>
<td>A-, A</td>
</tr>
<tr>
<td>105</td>
<td>80%–89%</td>
<td>B-, B, B+</td>
</tr>
<tr>
<td>105</td>
<td>70%–79%</td>
<td>C-, C, C+</td>
</tr>
<tr>
<td>105</td>
<td>60%–69%</td>
<td>D-, D, D+</td>
</tr>
<tr>
<td>70</td>
<td>0%–59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Total: 945

### Disabilities
- Any student with a disability that may hinder a full demonstration of their abilities in this course should contact Prof. Berryman during the first week of classes to discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.

### Legal notice
- The course syllabus and other documents pertaining to grading and scheduling are not a contract; they are tentative outlines for the course.
- Changes may be made during the semester at the discretion of Prof. Berryman.

### Academic misconduct
- All students must practice academic honesty.
- Academic misconduct is subject to an academic penalty by the course instructor and a disciplinary sanction by the University of Montana.
- All students must be familiar with the Student Conduct Code.

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Sherlock Holmes—his limits
1. Knowledge of Literature.—Nil.
2. " " Philosophy.—Nil.
3. " " Astronomy.—Nil.
4. " " Politics.—Feeble.
6. Knowledge of Geology.—Practical, but limited. Tells at a glance different soils from each other. After walks has [22] shown me splashes upon his trousers, and told me by their colour and consistence in what part of London he had received them.
8. " " Anatomy.—Accurate, but unsystematic.
9. " " Sensational Literature.—Immense. He appears to know every detail of every horror perpetrated in the century.
10. Plays the violin well.
11. Is an expert singlestick player, boxer, and swordsman.
12. Has a good practical knowledge of British law.

—Dr. Watson describing his friend’s abilities, from *A Study in Scarlet*, Sir Arthur Conan Doyle