

## **UM Chemistry 652: Original Research Proposal Autumn 2019**

- Instructor:** Prof. Mark S. Cracolice, Chemistry Building 101B, mark.cracolice@umontana.edu
- Office Hours:** MWF 8:30 AM–9:30 AM and by appointment. CHMY 652 students are also welcome to drop by my office at any other time to discuss issues related to this course.
- Prerequisite:** Third-year status in the Chemistry Ph.D. program.
- Course Purpose:** Introduction to research proposals.
- Lecture:** R 12:00 PM–12:50 PM, CHEM 204. Attendance is essential.
- Textbook:** No textbook is required.
- Format:** Weekly 50-minute seminar/lecture/discussion. You are strongly encouraged to engage in the direction in which the course curriculum goes.
- Topics:** (No sequence is implied.)  
1. Sources of funding: National Science Foundation, National Institutes of Health, other public foundations, private foundations  
2. Review of an example NSF program solicitation  
3. How research fits into the mission of a college or university; follow the money  
4. NIH peer review; NSF merit review  
5. NSF grant writing workshop  
6. Budgeting: F&A, fringe, etc.  
7. NSF review criteria: intellectual merit and broader impacts  
8. Grants.gov and Fastlane  
9. NSF grant proposal guide  
10. Potential guest lecturers
- Grading:** Credit/no credit. Credit is awarded when your Ph.D. committee approves your original research proposal (ORP) as a pass with no further revisions required. If you do not complete your proposal this (Au19) semester, your course grade will be an Incomplete. It will change to an F after one academic year if your ORP has not been approved by your committee by that time. Thus, your ORP must be approved by your committee no later than the end of the Autumn 2020 semester to earn credit in this course and satisfactorily meet the ORP requirement of the Chemistry Ph.D. program.
- If you earn an Incomplete this semester, be sure to remind your committee chair to send me a message stating that you passed the ORP requirement when that occurs.
- Other:** Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me personally as soon as possible so we can discuss accommodations necessary to ensure full participation and facilitate your educational opportunities.
- All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the university. All students need to be familiar with the Student Conduct Code. The Code is available for review online at [http://www.umt.edu/vpsa/policies/student\\_conduct.php](http://www.umt.edu/vpsa/policies/student_conduct.php)
- This course syllabus is not a contract; it is a tentative outline of course policies. Changes may be made during the semester at my discretion.