

University of Montana

ScholarWorks at University of Montana

University of Montana Course Syllabi, 2021-2025

Spring 2-1-2022

CHMY 568.01: Organometallic Chemistry

Dong Wang

University of Montana, Missoula

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi2021-2025>

Let us know how access to this document benefits you.

Recommended Citation

Wang, Dong, "CHMY 568.01: Organometallic Chemistry" (2022). *University of Montana Course Syllabi, 2021-2025*. 112.

<https://scholarworks.umt.edu/syllabi2021-2025/112>

This Syllabus is brought to you for free and open access by ScholarWorks at University of Montana. It has been accepted for inclusion in University of Montana Course Syllabi, 2021-2025 by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mso.umt.edu.

Goals: This course will focus on basic elements of organometallic chemistry for main group and transition metals, including bonding, structure, reaction and application.

When/Where: Monday and Friday 9-10:15am, in Chemistry 204

Instructor: Dong Wang, Chem 217, x4290, dong1.wang@umontana.edu

Office Hours: By appointment

Text: Christoph Eischenbroich, Organometallics, 3rd ed., Wiley-VCH

Evaluation:

a) one-minute paper by email – 250 points	25% of grade
b) Two 1-hour in-class exams – 100 points each	20% of grade
c) Final take-home exam – 300 points	30% of grade
d) Final presentation – 250 points	25% of grade

Course Notes:

- Each one-minute paper is due by email to dong1.wang@umontana.edu within 24 hours of each class, except for the two exam classes or otherwise noted. Use 2-3 sentences to summarize the contents covered in class and ask any question you might have.
- The final exam is comprehensive and take-home. The exam will be handled out at the end of the last class on May 5th and the answers will be collected at the beginning of the final presentation. You are required to work independently on the final exam.
- If you have a legitimate conflict with an exam date, you must inform the instructor **at least 1 week before the exam** to make alternate arrangements. Missed exams will receive a grade of zero.
- See the [Student Conduct Code](#) for the definition and potential consequences of academic misconduct and plagiarism.
- Information on disability accommodations is available on the [University of Montana Accessibility Website](#).
- Mask use is required within the classroom or laboratory.
- If you feel sick and/or are exhibiting COVID symptoms, please don't come to lab and contact the Curry Health Center at (406) 243-4330.
- If you are required to isolate or quarantine, contact me so we can develop plans.
- Drinking liquids and eating food is discouraged within the classroom.

Tentative Schedule

Week	Dates	Topic
1	20 Jan	Introduction
2	24, 27 Jan	Transition metal organometallics
3	31 Jan, 3 Feb	
4	7, 10 Feb	
5	14, 17 Feb	
6	24 Feb	
7	28 Feb, 3 March	Organometallic reactions
8	7, 10 March	
9	14, 17 March	
10	21, 24 March	Spring Break, No class
11	28, 31 March	Organometallic reactions
12	4, 7 Apr	
13	11, 14 Apr	
14	18, 21 Apr	Main group organometallics
15	25, 28 Apr	
16	2, 5 May	
Finals	9–13 May	Final presentation

Exam Dates: February 24, April 14 (in class); Final presentation date TBD
No class on February 21 (Presidents' Day).