

Seminar Course
Chemistry 453/601
Fall 2022

Instructor: Prof. Stacey Brenner-Moyer (seb244@newark.rutgers.edu)

Office Hours: By appointment

Course Description: This course will introduce the fundamentals of presenting a formal, scientific seminar. Specifically, students will learn how to:

- choose an appropriate topic for a scientific seminar
- research a topic for a scientific seminar
- organize a scientific seminar
- prepare power point slides for a scientific seminar
- prepare for the oral presentation of a scientific seminar

Course Objectives:

Upon completion of the course, students should be able to present a formal, scientific seminar.

Course Evaluation:

Your grade for the course will be determined as follows:

Attendance: 10%

Participation: 15%

Exercises: 15%

Seminar Presentation: 60%

Course Format and Attendance: Students are required to attend all scheduled lectures and departmental seminars, as well as meetings of their assigned small group.

- Scheduled lectures

During her scheduled lectures, Bonnie Fong, the Physical Sciences Librarian, will provide hands-on training on the use of several chemistry-relevant search engines, and will also teach proper scientific

citation. These lectures will be held in the large computer classroom on the lower level of Dana Library



- Departmental seminars

To gauge attendance at, and attention to, departmental seminars, at the conclusion of each presentation students must submit a written form evaluating that day's seminar to Prof. Brenner-Moyer.

- Small group meetings

The class has been divided into three small groups of 5 students. Small groups will meet with Prof. Brenner-Moyer on designated days throughout the semester to workshop (i.e., experiment with different versions...in a collaborative environment) their seminar presentation at its different developmental stages.

Participation: At the conclusion of each departmental seminar, there will be a brief question/answer period, in which the audience can ask the speaker questions pertaining to the research he/she just presented. Each student will sign up to ask one question to one speaker. Questions should not be generic or something you could ask every single speaker (How did you get interested in this area of research?). Questions should not be simple clarifications (What did you say about that slide?). Rather, questions should be thoughtful (i.e., full of thought), which will require you to pay attention and prepare in advance by reading some of the speaker's papers.

Exercises and Seminar Presentation: Brief exercises pertaining to the topics taught by Bonnie Fong will be assigned and graded by her. These exercises are mandatory and your grade on them will comprise 15% of your overall course grade. The final project for this course is a formal, 15-minute scientific seminar presentation at the conclusion of the semester.

Course Schedule:

<u>Week</u>	<u>Date</u>	<u>Topic</u>
1	Wed. Sept. 7	Course Introduction
1	Fri. Sept. 9	<i>no meeting</i>
2	Wed. Sept. 14 ¹	Scholarly communication & information literacy skills
2	Fri. Sept. 16	(Group A) workshopping topics

- 2  Wed. Sept. 21 (Group B) workshopping topics
- 3 Fri. Sept. 23 (Group C) workshopping topics
- 4 Wed. Sept. 28¹ Using SciFinder
- 4 Fri. Sept. 30 Seminar *tbd*
- 5 Wed. Oct. 5¹ Using Reaxys
- 5 Fri. Oct 7 Seminar by Prof. Chengde Mao, Purdue University
- 6 Wed. Oct. 12¹ Using Web of Science & Scopus
- 6 Fri. Oct. 14 Seminar by Prof. Johnathan Brantley, University of Tennessee, Knoxville
- 7 Wed. Oct. 19 (Group A) workshopping presentation outline and references
- 7 Fri. Oct. 21 Seminar by Prof. Chong Liu, UCLA
- 8 Wed. Oct. 26 (Group B) workshopping presentation outline and references
- 8 Fri. Oct. 28 Seminar by Prof. Ryan Murelli, CUNY Brooklyn College
- 9 Wed. Nov. 2 (Group C) workshopping presentation outline and references
- 9 Fri. Nov. 4 Seminar by Prof. Jeremy Smith, Indiana University

- 10  Wed. Nov. 9 *no meeting*
- 10 Fri. Nov. 11 Seminar by Prof. Mark Thompson, University of Southern California
- 11 Wed. Nov. 16 (Group A) workshopping slides
- 11 Fri. Nov. 18 Seminar by Prof. Pier Champagne, NJIT
- 12 Wed. Nov. 23² *no meeting*
- 13 Wed. Nov. 30 (Group B) workshopping slides
- 13 Fri. Dec. 2 Seminar by Prof. Tim Liedl, LMU Munich (Germany)
- 14 Wed. Dec. 7 (Group C) workshopping slides
- 14 Fri. Dec. 9 Seminar by Prof. Weiwei Xie, Rutgers University-New Brunswick
- 15 Wed. Dec. 14 (Group A) final presentations
- Wed. Dec. 21 11:45am-2:45pm (Groups B and C) final presentations

¹Lecture by Bonnie Fong, Physical Sciences Librarian

²Wed. Nov. 23 is on a Friday schedule.


Th. Sept. 15: Last day to add/drop (without a W) a course

Mon. Oct. 31: Last day to drop a course to receive a W

Academic Integrity: As an academic community dedicated to the creation, dissemination, and education of knowledge, Rutgers University is committed to fostering an intellectual and ethical environment based on the principles of academic integrity. Academic integrity is essential to the success of the University's educational and research missions, and violations of academic integrity constitute serious offenses against the entire academic community. The entire Academic Integrity Policy can be found here: <http://academicintegrity.rutgers.edu/academic-integrity-policy/>
(<http://academicintegrity.rutgers.edu/academic-integrity-policy/>)

Accommodations and Support: Rutgers University Newark (RU-N) is committed to the creation of an inclusive and safe learning environment for all students. RU-N has identified the following resources to further the mission of access and support:

- **Students with Disabilities:** Rutgers University welcomes students with disabilities into all of the University's educational programs. The Office of Disability Services (ODS) is responsible for the determination of appropriate accommodations for students who encounter barriers due to disability. In order to receive consideration for reasonable accommodations, a student with a disability must contact ODS, register, have an initial appointment, and provide documentation. Once a student has completed the ODS process (registration, initial appointment, and documentation submitted) and reasonable accommodations are determined to be necessary and appropriate, a Letter of Accommodation (LOA) will be provided to the student. The student must give the LOA to each course instructor, followed by a discussion with the instructor. This should be completed as early in the semester as possible as accommodations are not retroactive. More information can be found at rutgers.edu (<https://ods.rutgers.edu/>). Contact ODS: (973) 353-5375 or ods@newark.rutgers.edu (<mailto:ods@newark.rutgers.edu>).
- **Religious Holiday Policy and Accommodations:** Students are advised to provide timely notification to instructors about necessary absences for religious observances and are responsible for making up the work or exams according to an agreed-upon schedule. The Division of Student Affairs is available to verify absences for religious observance, as needed: (973) 353-5063 or DeanofStudents@newark.rutgers.edu (<mailto:DeanofStudents@newark.rutgers.edu>).
- **Counseling Services:** Counseling Center Room 101, Blumenthal Hall, (973) 353-5805 or <http://counseling.newark.rutgers.edu/> (<http://counseling.newark.rutgers.edu/>).
- **Students with Temporary Conditions/Injuries:** Students experiencing a temporary condition or injury that is adversely affecting their ability to fully participate in their courses should submit a request for assistance at: <https://temporaryconditions.rutgers.edu> (<https://temporaryconditions.rutgers.edu/>).
- **Students Who are Pregnant:** The Office of Title IX and ADA Compliance is available to assist students with any concerns or potential accommodations related to pregnancy: (973) 353-1906 or TitleIX@newark.rutgers.edu (<mailto:TitleIX@newark.rutgers.edu>).
- **Gender or Sex-Based Discrimination or Harassment:** Students experiencing any form of gender or sex-based discrimination or harassment, including sexual assault, sexual harassment, relationship violence, or stalking, should know that help and support are available. To report an incident, contact

the Office of Title IX and ADA Compliance: (973) 353-1906 or TitleIX@newark.rutgers.edu support
 <mailto:TitleIX@newark.rutgers.edu>). To submit an incident report: [com/RUNReportingForm](https://www.rutgers.edu/runreportingform). To
speak with a staff member who is confidential and does **NOT** have a reporting responsibility, contact
the Office for Violence Prevention and Victim Assistance: (973) 353-1918 or run.vpva@rutgers.edu
[.mailto:run.vpva@rutgers.edu](mailto:run.vpva@rutgers.edu)).

Course Summary:

Date	Details	Due
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