

CHEM 4001 – 101
Chemistry Seminar
Spring 2026 (F: 1:00 – 1:50 pm), Bolin 313

Instructor: Dr. Christopher A. Hansen

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Office Hours: M,W,F 9:00-11:00

Grading:

Presentation	60%
Attendance at all seminars	20%
Abstract for presentation	20%

Grading Scale:

A: > 90%; B: 80 – 89%; C: 70 – 79 %; D: 55 – 69 %; F < 55%

Policy:

Deadlines: (i) Title and paper selection is due on **02/13/2026**, and (ii) abstracts for the talk due on **02/27/2026**. (iii) **Two weeks** prior to the scheduled presentation, the presenter should check with the instructor(s) to view the slide show. This will provide sufficient time to make any changes that may arise from that meeting.

Format of abstract: The abstract is to be limited to 200 words describing the topic in detail to outline the intent or subject matter of the presentation in original wording **by the presenter**. Submit the abstract electronically to chris.hansen@msutexas.edu in MS word format. The abstract must include full references to the paper(s) used (e.g. author(s), title, journal title, publication date, volume, and page numbers).

Paper Searching: The topic of the presentation must be from current literature of chemistry or a field in which CHEMISTRY is the major component. Inorganic, Organic, Biochemical, Analytical and Physical Chemistry are the traditional areas. Literature searches can be made with the search engine – “**Scifinder Scholar**” or “**Pubmed**” from any computers. See the next page on how to self-register and sign-in to “**Scifinder**”. Find the paper you feel like and get the electronic copy of the paper through the interlibrary loan provided by the MSU Moffett Library. The web link of the interlibrary loan at MSU is: <https://mwsu.illiad.oclc.org/illiad/logon.html>. Some open access journals provide free publication copies.

The presentation will be 18 – 22 minutes in length. Deviation from this time interval may result in deductions from the score. Presentation is to be with MS PowerPoint software.

Reviews from the Faculty and the fellow students and grades from the presentation are combined with attendance and the abstract score to determine the final grade for the seminar.

Suggestions:

1. Any printed matter on a slide should help make a point about the subject. Professional presentations will not contain superfluous images, or elaborate color schemes. White (or very light) backgrounds with black text are most common. Color fonts or bold type are frequently used to emphasize a point in a list of information.
2. Use fonts that are easily seen (26 – 34 point) – that is, **do not crowd the slide with large amounts of text that require 12 point font to get it all on the slide**. A slide is to present a basic, clear concept that is expounded upon verbally.
3. Some points to remember about a slide presentation are to organize, organize, and organize. A professional presentation should include title, introduction, experimental section, results and discussion, conclusion and acknowledgments.
4. Timing is about 2 – 3 minutes per slide for experienced presenters. This suggests that there be no more than 6 to 10 slides for a talk of this length (20 minutes). A one-hour talk will have about 25 slides. However – If everything to be said is on slides, you will lose the impact a presentation should have. Practice!
5. The presenter should speak to the audience. **Reading slides to the audience is crass, and should be avoided at all costs**. To prevent this situation, practice the talk in a room alone. Professional presentations are typically rehearsed about 6 times. This will give the confidence and contact with the topic that is needed for good verbal presentation. It will also help determine how many slides are necessary.
6. After preparing your presentation, it is an excellent idea to prepare to answer questions about the subject of the presentation. Some background reading on the topic is essential.
7. Practice voice and diction. Clear diction and sufficient volume is essential in being understood during a presentation.

How to Self-register and Sign-in for Scifinder Scholar:

1. Each user of SciFinder must self-register to get a unique login and must use their msutexas email. The process is quite simple. Follow this web link: <https://scifinder.cas.org/registration/index.html?corpKey=785E6756X86F350ABX1B8260F610FF9664B9> and follow the instructions on the screen to self-register.
2. Once you have successfully registered and answered the email they send you, you can access Scifinder directly at: <https://scifinder.cas.org>

All seminars are in Bolin 304 (unless otherwise stated)

Date	Speaker	
January 23	We meet	Plan schedule
January 30		Open for a speaker
February 6	Decide on topic, email	Open for a speaker
February 13	Turn in articles	Open for a speaker
February 20	Plan to Judge at the Science Fair	Open for a speaker
February 27	Turn in abstracts	Open for a speaker
March 6	Speaker 1, Speaker 2	Open for a speaker
March 13	Spring Break	
March 20	Speaker 3, Speaker 4	Open for a speaker
March 27	Speaker 5, Speaker 6	Open for a speaker
April 3	Easter	
April 10	Speaker 7, Speaker 8	Open for a speaker
April 17	Speaker 9, Speaker 10	Open for a speaker
April 24		Open for a speaker
May 1		Open for a speaker
May 8		ACS/college Picnic
May 15	Finals week no class	

Acceptable Journals

Accounts of Chemical Research
ACS Applied Materials & Interfaces
ACS Chemical Biology
ACS Nano
Analytical Chemistry
I&EC Analytical Edition (1926-1946)
Biochemistry
Bioconjugate Chemistry
Biomacromolecules
Biotechnology Progress (Co-published with the Am. Inst. of Chem. Engineers)
Chemical Research in Toxicology
Chemical Reviews
Chemistry of Materials
Crystal Growth & Design
Energy & Fuels
Environmental Science & Technology
Industrial & Engineering Chemistry Research
Journal of I&EC (1909-1922)
I&EC (1923-1970)
I&EC Fundamentals (1962-1986)
I&EC Process Design and Development (1962-1986)
I&EC Product Research and Development (1962-1986)
Inorganic Chemistry
Journal of Agriculture and Food Chemistry
Journal of the American Chemical Society
Journal of Chemical & Engineering Data
I&EC Chem and Eng Data Series (1956-1958)
Journal of Chemical Information and Modeling
Journal of Chemical Documentation (1961-1974)
Journal of Chemical Information and Computer Sciences (1975-2004)
Journal of Chemical Theory and Computation
Journal of Combinatorial Chemistry
Journal of Medicinal Chemistry
Journal of Natural Products (Copublished with the Am. Soc. of Pharmacognosy)
The Journal of Organic Chemistry
The Journal of Physical Chemistry A
The Journal of Physical Chemistry B
The Journal of Physical Chemistry C
The Journal of Physical Chemistry (1896-1996)
Journal of Proteome Research
Langmuir
Macromolecules
Molecular Pharmaceutics
Nano Letters
Organic Letters
Organic Process Research & Development
Organometallics

Magazine

C&EN(Must have supporting data)

Community Websites

ACS Chemical Biology
ACS Nanotation