

CHEM 6975 - An Introduction to Teaching Chemistry

Fall 2026 Syllabus, Section 01, CRN 40025,

Credit hours: 1

Instructor

Dr. Nina V. Stourman

Professional Qualifications:

Ph. D., Bioorganic Chemistry and Chemistry of Natural Physiologically Active Compounds, Moscow State University, Russia

Professor

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Communication Expectations:

expect to receive a reply to your email question(s) within 24 hours, Monday through Friday, or within 48 hours during the weekends.

How to Refer to me:

Dr. Stourman

Public Instructor Information

Instructor Title: Professor

Instructor Professional Qualifications: Ph. D., Bioorganic Chemistry and Chemistry of Natural Physiologically Active Compounds, Moscow State University, Russia

Instructor Office Location: WBH 6027

Instructor Office Phone: 330-941-7112

Course Description

6975. An Introduction to Teaching Chemistry. A course to prepare graduate students to serve as teaching assistants in both chemistry laboratories and recitations. Topics include laboratory safety (governmental regulations, ACS guidelines, hazardous materials, waste disposal) and practical matters of teaching (active learning, leading discussions, grading, cheating, etc.). Required of all graduate students serving as first-year teaching assistants. 1 s.h.

Course Readings

Group	Title	Author	ISBN
	No readings		

No textbook is required for this course.

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Proposed Topic	Due/To Prepare for Class
Fri	8/28	Introduction to Teaching: TA'ing 101	
Fri	9/4	Handling Emergencies; Safety	
Fri	9/11	Grading Assignments	Teaching Journal

Fri	9/18	Effective Teaching Practices and Lesson Plans	Teaching Journal
Fri	9/25	Designing Learning Outcomes	Teaching Journal
Fri	10/2	5-min Pre-lab Instruction demos	Teaching Journal
Fri	10/9	5-min Pre-lab Instruction demos	Teaching Journal
Fri	10/16	Assessment Tools	Teaching Journal
Fri	10/23	5-min Pre-lab Instruction demos	Teaching Journal
Fri	10/30	5-min Pre-lab Instruction demos	Teaching Journal
Fri	11/6	Creating Assignments	Teaching Journal
Fri	11/13	10-min Presentations	Teaching Journal
Fri	11/20	10-min Presentations	
Fri	11/27		
Fri	12/4	10-min Presentations	
Fri	12/11		

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.