

MSE492 / CHEM494 – Lab Safety Fundamentals

Fall 2021

Course Description:

The primary goals of the course are to 1) introduce basic concepts in laboratory safety, 2) increase awareness of safety issues in research labs and lab courses and 3) provide basic knowledge in dealing with simple lab safety problems.

Information will be provided via lectures delivered via pre-recorded videos. There will be no in-person meetings of the class. Course evaluation primarily will consist of successful completion of DRS training modules.

Drops/Withdrawals:

Please note that MSE492 / CHEM494 has a scheduled duration of approximately 2.5 weeks during the semester and is thus considered a nonstandard class. As such, it has different rules for drop deadlines and refund percentages. Specific information about this matter can be found at https://registrar.illinois.edu/wp-content/uploads/2019/01/Nonstandard_course_refund_guide.pdf.

Instructor:

Dr. Nathan Gabrielson

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Office: 209 Ceramics

Course Text:

There is no required textbook for the class. Lectures will be provided as electronic resources on the course website.

Website:

<https://canvas.illinois.edu>

Class Meetings and Topics:

There will be no in-person class meetings for MSE492 / CHEM494. Instead, course content will be posted to the class website according to the schedule shown below:

Date	Topic
Wednesday, September 8	Risk Assessment
Monday, September 13	Chemical Safety
Wednesday, September 15	Fire Safety
Monday, September 20	Biological Safety
Wednesday, September 22	Laser Safety

Grading/Evaluation:

MSE492 / CHEM494 is graded on a Satisfactory (S) / Unsatisfactory (U) scale. In order to receive a Satisfactory score, it is necessary to 1) complete the required online training modules offered through the Division of Research Safety (see below) and 2) upload the training completion certificate to the course website.

DRS Training Modules

Visit <https://research.illinois.edu/training> and select "Online Research Training Portal" to access the training material. After logging in, the "Training Library" can be accessed from the menu on the left. After finishing the required training modules, submit the certificate via the compass2g website as proof of completion. If training has been completed prior to MSE492 / CHEM494, you may upload your existing certificate as proof.

Training Module	Due Date
Risk Assessment for Research Procedures	Sunday, September 12 @ 11:59PM
Laboratory Safety	Sunday, September 12 @ 11:59PM
Chemical Safety: An Introduction	Sunday, September 19 @ 11:59PM
Fire Extinguisher Training	Sunday, September 19 @ 11:59PM
Understanding Biosafety	Sunday, September 26 @ 11:59PM
Laser Safety	Sunday, September 26 @ 11:59PM

Other:

https://emails.illinois.edu/files/2056962258/gcoe_syllabusstatement_artf.pdf