

MATSCEN 7895 (Approved): Graduate Seminar in Materials Science and Engineering

Course Description

Presentations and discussion by graduate students and involved outside speakers on thesis research and current problems in materials science and engineering.

Prior Course Number: 795

Transcript Abbreviation: MSE GRAD SEMINAR

Grading Plan: Satisfactory/Unsatisfactory

Course Deliveries: Classroom

Course Levels: Graduate

Student Ranks: Masters, Doctoral

Course Offerings: Autumn, Spring

Flex Scheduled Course: Never

Course Frequency: Every Year

Course Length: 14 Week

Credits: 1.0

Repeatable: No

Time Distribution: 1.0 hr Lec

Expected out-of-class hours per week: 2.0

Graded Component: Lecture

Credit by Examination: No

Admission Condition: No

Off Campus: Never

Campus Locations: Columbus

Prerequisites and Co-requisites: Graduate standing in materials science and engineering or permission of instructor

Exclusions:

Cross-Listings:

The course is required for this unit's degrees, majors, and/or minors: No

The course is a GEC: No

The course is an elective (for this or other units) or is a service course for other units: Yes

Subject/CIP Code: 14.1801

Subsidy Level: Doctoral Course

Programs

| Abbreviation | Description |
|--------------|-----------------------------------|
| MATSCEN | Materials Science and Engineering |

Course Goals

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|--|
| Experience presenting research plans and results |
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Course Topics

| Topic | Lec | Rec | Lab | Cli | IS | Sem | FE | Wor |
|---|------|-----|-----|-----|----|-----|----|-----|
| Seminars in materials science and engineering | 13.0 | | | | | | | |

Grades

| Aspect | Percent |
|---|---------|
| Seminar attendance/presentation as assigned | 100% |

ABET-EAC Criterion 3 Outcomes

| Course Contribution | College Outcome |
|---------------------|---|
| a | An ability to apply knowledge of mathematics, science, and engineering. |
| b | An ability to design and conduct experiments, as well as to analyze and interpret data. |
| c | An ability to design a system, component, or process to meet desired needs. |
| d | An ability to function on multi-disciplinary teams. |
| e | An ability to identify, formulate, and solve engineering problems. |
| f | An understanding of professional and ethical responsibility. |
| g | An ability to communicate effectively. |
| h | The broad education necessary to understand the impact of engineering solutions in a global and societal context. |
| i | A recognition of the need for, and an ability to engage in life-long learning. |
| j | A knowledge of contemporary issues. |
| k | An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. |

Prepared by: Mark Cooper