

# MATSCEN 6999 (Approved): Graduate Research in Materials Science and Engineering

## Course Description

Research for thesis or dissertation purposes only.

**Prior Course Number:** 999

**Transcript Abbreviation:** MSE Grad Research

**Grading Plan:** Satisfactory/Unsatisfactory

**Course Deliveries:** Classroom

**Course Levels:** Graduate

**Student Ranks:** Masters, Doctoral

**Course Offerings:** Autumn, Spring, May, Summer, May + Summer

**Flex Scheduled Course:** Never

**Course Frequency:** Every Year

**Course Length:** 14 Week

**Credits:** 0.5 - 15.0

**Repeatable:** Yes

**Maximum Repeatable Credits:** 600.0

**Total Completions Allowed:** 40

**Allow Multiple Enrollments in Term:** No

**Graded Component:** Independent Study

**Credit by Examination:** No

**Admission Condition:** No

**Off Campus:** Never

**Campus Locations:** Columbus

**Prerequisites and Co-requisites:**

**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 Topics

Topic	Lec	Rec	Lab	Cli	IS	Sem	FE	Wor
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## ABET-EAC Criterion 3 Outcomes

<b>Course Contribution</b>		<b>College Outcome</b>
	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