

# ECE 2998.01: Undergraduate Research

## Course Description

Supervised undergraduate research in various topics.

**Prior Course Number:** 699

**Transcript Abbreviation:** Undergrad Research

**Grading Plan:** Letter Grade

**Course Deliveries:** Classroom

**Course Levels:** Undergrad

**Student Ranks:** Freshman, Sophomore

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

**Flex Scheduled Course:** Never

**Course Frequency:** Every Year

**Course Length:** 14 Week

**Credits:** 0.5 - 3.0

**Repeatable:** Yes

**Maximum Repeatable Credits:** 6.0

**Total Completions Allowed:** 6

**Allow Multiple Enrollments in Term:** Yes

**Graded Component:** Independent Study

**Credit by Examination:** No

**Admission Condition:** No

**Off Campus:** Never

**Campus Locations:** Columbus

**Prerequisites and Co-requisites:** Prereq: Permission of instructor.

**Exclusions:**

**Cross-Listings:**

**Course Rationale:** Existing course.

**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:** 14.1001

**Subsidy Level:** Baccalaureate Course

## Programs

Abbreviation	Description
CpE	Computer Engineering
EE	Electrical Engineering

## General Information

Undergraduate research with letter grade.

## Course Goals

To engage undergraduates in electrical and computer engineering research

## Course Topics

Topic	Lec	Rec	Lab	Cli	IS	Sem	FE	Wor
Supervised undergraduate research on various topics in Electrical and Computer Engineering								

## Representative Assignments

Varies
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## Grades

Aspect	Percent
Progress Report(s)	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.

## Additional Notes or Comments

Updated description, abbreviation, prereqs, goals and topics to match university format  
3/20/12

Allow multiple enrollments per term to agree with university. Make independent study  
graded component. 5/10/13

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