THE UNIVERSITY OF RHODE ISLAND

EGR 106
Foundations of Engineering II

Week 7 Lecture - Part A
Announcements

THINK BIG WE DO℠

New Opportunity for URI Undergraduates

Southeast New England STEM Coalition

Funding provided by:

- Office of Naval Research - Science, Technology, Engineering & Mathematics (STEM) Program
- National Defense Education Program (NDEP) for Science, Technology, Engineering, and Mathematics (STEM)

Collaborators & Industry Partners:

- University of Connecticut
- Naval Undersea Warfare Center (NUWC-Newport)
- General Dynamics Electric Boat (Groton, New London, Quonset)
- Raytheon (Portsmouth)
- Other regional Navy contractors

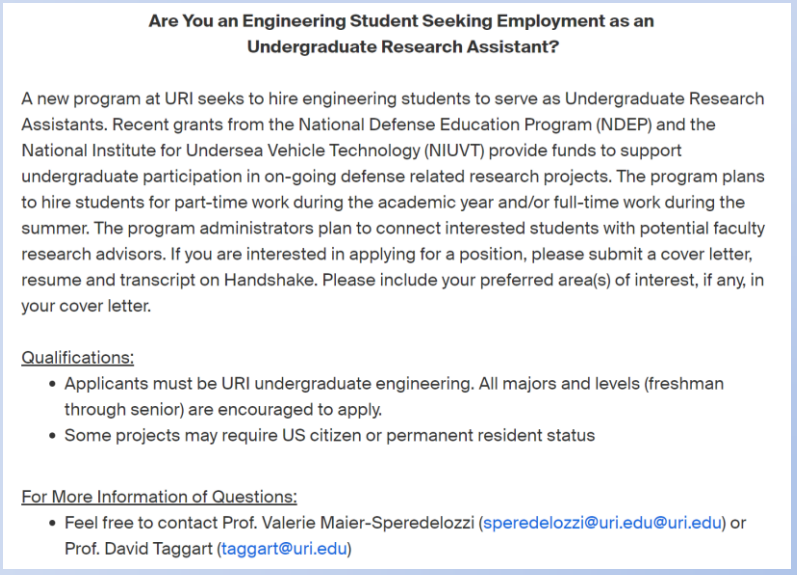
Project Objectives

- Establish a new academic program for all engineering majors
- Offer seminar course (EGR 201)
- Provide opportunities for DOD related undergraduate research and design projects
- Organize events (company tours, seminars, workshops, etc.) and establish a community of students, faculty and the regional defense sector
- Cultivate and promote internships leading to full-time employment

NAVY STEM CREW EST. 2017

Undergraduate Research Assistant

- Funds are available to support undergraduate research projects in defense related areas and can provide hourly pay during both the academic year and summers
- We will seek to match interested students with faculty researchers



Are You an Engineering Student Seeking Employment as an Undergraduate Research Assistant?

A new program at URI seeks to hire engineering students to serve as Undergraduate Research Assistants. Recent grants from the National Defense Education Program (NDEP) and the National Institute for Undersea Vehicle Technology (NIUVT) provide funds to support undergraduate participation in on-going defense related research projects. The program plans to hire students for part-time work during the academic year and/or full-time work during the summer. The program administrators plan to connect interested students with potential faculty research advisors. If you are interested in applying for a position, please submit a cover letter, resume and transcript on Handshake. Please include your preferred area(s) of interest, if any, in your cover letter.

Qualifications:

- Applicants must be URI undergraduate engineering. All majors and levels (freshman through senior) are encouraged to apply.
- Some projects may require US citizen or permanent resident status

For More Information of Questions:

- Feel free to contact Prof. Valerie Maier-Speredelozzi (speredelozzi@uri.edu@uri.edu) or Prof. David Taggart (taggart@uri.edu)

To apply, go to: https://web.uri.edu/career/handshake/

Exam 1 / Grading

- Exam 1 is being graded and will be returned during Tuesday-Thursday sections after Spring Break
- Final grade distribution

  Quizzes – 10%

  Exams – 35% (17.5% each)

  Assignments – 25%

  T-Th attendance – 10%

  Project – 20%
- Final letter grades determined by T-Th instructors

Plans for Weeks 7 - 9

Week	Dates	Topics	Assignments & Exams
1	Jan 24-27	Introduction to EGR 106 & Matlab	Assign. 1
2	Jan. 31-Feb. 3	Matlab Commands, Intro to Scripts	Assign. 2
3	Feb. 7-10	Arrays and Array Mathematics	Assign. 3
4	Feb. 14-17	Logical Arrays, Relational Operators, and Conditional Statements	Assign. 4
5	Feb. 21-24	Logical Arrays, Relational Operators, and Conditional Statements (cont.) No class on Monday Tuesday-Thursday sections WILL meet	Assign. 5
6	Feb. 28- March 3	**Exam on Monday** Tuesday-Thursday sections WILL NOT meet	**Exam 1**
7	March 7-10	2-D Plotting	Assign. 6
	March 14-19	Spring Break	
8	March 21-24	Loops and User-Defined Functions	Assign. 7
9	March 28-31	Review for Exam 2 (Monday) **Exam 2 (in T-Th lab)**	**Exam 2**
10	April 4-7	Project - Week 1	Assign. 8
11	April 11-14	Project - Week 2	Assign. 9
12	April 18-21	Project - Week3	Assign. 10
13	April 25-28	Project - Week 4	
14	May 2	Monday - Student evaluation and course survey	
-	April 30, May 3-7	**Project Presentations (during finals week)**	

Plans for Weeks 7 - 9 (cont.)

7	March 7-10	2-D Plotting	Assign. 6
	March 14-19	Spring Break	
8	March 21-24	Loops and User-Defined Functions	Assign. 7
9	March 28-31	Review for Exam 2 (Monday) **Exam 2 (in T-Th lab)**	**Exam 2**

Week 7 (March 7-10): 2D Plotting

Spring Break (March 14-18)

Week 8 (March 21-24): Loops and User Defined Functions

Week 9 (March 28-31):

Lecture - Project Introduction / Exam 2 Review

T-Th Labs – **Exam 2** (on computer using Matlab)

Week 7 Quiz

- Must be completed by 8 AM, Tuesday, March 8
- Don’t wait to the last minute
- You may take it **up to 10 times**
- Your highest score will be recorded in Brightspace Grades