

EGR 106

Foundations of Engineering II

Week 13 Lecture

Announcements & Design Project (week 4)

THINK BIG  WE DOSM



Outline

Announcement – Lab Assistant Position

Design project schedule

Deliverables

- Submission of project files to Brightspace Monday section site
- Presentations during finals week

Project Presentations

- Things to include
- Presentation schedule

Student IDEA course evaluation

EGR 106 Survey (extra credit toward quiz grade)

Week 14 activities

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 and resume on Handshake (<https://uri.joinhandshake.com/>). Please include your preferred area(s) of interest, if any, in your cover letter.

Qualifications:

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

For More Information or Questions:

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

To apply, go to: <https://uri.joinhandshake.com/>

Design Project Schedule

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)	

Week 10 (4/4-7)

Introduction to creating shapes

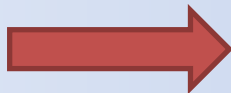
Week 11 (4/11-14)

More shape tools

Creating and viewing 3D models

Week 12 (4/18-21)

Adding color/texture



Week 13 (4/25-28)

Preparing your final presentation

Design Project (cont.)

Deliverables (due last week of classes):

- Matlab code

- Graphic files (.obj, animated .gif and color/texture definition files)

Project Presentation

- Dates & Time: Finals Week

 - (based on lab section meeting time)

- Location: Varies with section (see next slide)

Design Project Presentation Schedule

Lab Section Number & Meeting Time	Instructor	Project Presentation Date, Time and Location
1. Tuesday 9:30-10:45	Sumanta Das	Thurs. May 5, 8-10 AM, Kirk 212
2. Tuesday 8:00-9:15	Angelo Lucia	Tues. May 10, 8-10 AM, Kirk 212
3. Tuesday 12:30-1:45	Ramdas Kumaresan	Tues. May 10, 11:30 AM-1:30 PM, Kirk 212
4. Tuesday 2:00-3:15	Ramdas Kumaresan	Thurs. May 5, 3-5 PM, Kirk 212
5. Tuesday 3:30-4:45	Musa Jouaneh	Thurs. May 5, 6:30-8:30 PM, Kirk 212
6. Thursday 2:00-3:15	Sumanta Das	Thurs. May 5, 3-5 PM, Kirk 203C
7. Thursday 8:00-9:15	Jyh-Hone Wang	Tues. May 10, 8-10 AM, Kirk 203C
8. Thursday 9:30-10:45	Ryan Poling-Skutvik	Thurs. May 5, 8-10 AM, Kirk 203C
9. Thursday 11:00-12:15	Hamouda Ghonem	Thurs. May 5, 11:30 AM-1:30 PM, Fascitelli 130
10. Thursday 12:30-1:45	Benjamin Rahming	Tues. May 10, 11:30 AM-1:30 PM, Kirk 203C
11. Tuesday 11:00-12:15	Dhaval Solanki	Thurs. May 5, 11:30 AM-12:30 PM, Kirk 212
12. Thursday 11:00-12:15	Dhaval Solanki	Thurs. May 5, 12:30 AM-1:30 PM, Kirk 212
14. Tuesday 9:30-10:45	Zongqin Zhang	Thurs. May 5, 8-10 AM, Fascitelli 130

Project Files Submission (one per team)

- Matlab code (.m file). Be sure to include team member names in comment lines in .m file
- Output and color/texture files, including: .gif, .obj, colors.mtl, and .jpg files
- No need to include .p files
- Upload all files to the Brightspace Monday section site (look under Assignments)
- Submit Project files by 11:30 PM, Tuesday 5/10 to the Brightspace Lecture site (to be submitted by one member per team)

Project Presentations

Presentation can include combination of Powerpoint slides, Matlab and/or MeshLab demonstration of final result

Possible things to include in presentation:

- Project title

- Team member names

- Description of objectives

- Show Matlab code and functions used to create geometry

- Discussion of aesthetics / custom colors / textures used (if any)

- Demonstration of the code running

- Matlab generated animation (insert animated .gif in Powerpoint)

- Show result in MeshLab

Student IDEA Course Evaluation

IDEA Course Evaluation

- <https://uri.campuslabs.com/eval-home/>
- Available now through May 4th at 11:59 PM
- Evaluation is based on Monday class sessions only (not Tuesday/Thursday instructors)

Week 13 Activities

- In Tuesday / Thursday class meeting
 - Continue work on design project
 - Prepare presentations
- No Quiz this Week

Next Week (Week 14)

Monday, May 2 (last class meeting)

Course survey (extra credit toward quiz grade)

Final comments on presentations

May 5 & May 10

Final project presentations