

# **ELECOMP CAPSTONE DESIGN PROGRAM**

## **FALL 2023 SEMESTER**

### **HOMEWORKS 3 to 9**

**(You will incur a 5% penalty if a Homework is not submitted on time.)**

#### **Homework 3**

Study all previous Testimonials in the Student Section & Sponsors' Sections:

<http://web.uri.edu/elecomp-capstone/student-testimonials/>

<https://web.uri.edu/elecomp-capstone/testimonials/>

List 10 thoughts/affirmations, from any of these testimonials, which are important to you, as you embark on your own Capstone Project and the “real world” experience over the next 8 months. Give the reason why, and clearly state the passion for your future plans.

Read the “Missed Deadline” newsclip, at the end of this doc. What is your reaction? Shocked?!! Comment suitably and what it teaches you to follow all instructions in the capstone program. What is your commitment and promise to yourself?

**Due:** Friday 09/08/23; 2pm, FCAE 045C, Hard copy to Jack Murphy, Program Assistant; (Put your Name; Major/s & Minor/s at the top)

**Note:** HW#2 is due on 09/15/23 at 2pm, in FCAE150:

<https://web.uri.edu/elecomp-capstone/wp-content/uploads/sites/481/ELECOMP-Fall2023-HW2.pdf>

#### **Homework 4**

Study this important section from the website:

<https://web.uri.edu/elecomp-capstone/resources-for-students/expectations-and-deliverables/>

List 10 aspects that will be important to you for your success in the program. Discuss and elaborate and bring out your passion.

Study carefully the LOGBOOKS section from the website:

<https://web.uri.edu/elecomp-capstone/resources-for-students/course-information-documentation/> (click on Logbooks for the Fall 2023 Semester)

Discuss why maintaining a good logbook is critical in this project and in the REAL WORLD. Include experience already obtained during internships! Click on the Transistor Invention pages of Walter H. Brittain's Log book, and read through the 6 pages! Does it inspire you? In what way?

**Due:** Tuesday 09/12/23, 5pm: FCAE: ENGR010C; Hard copy to Jack Murphy.

**Note:** HW#2 is due on 09/15/23 at 2pm, in FCAE150

<https://web.uri.edu/elecomp-capstone/wp-content/uploads/sites/481/ELECOMP-Fall2023-HW2.pdf>

## Homework 5

Read Chapter 1 of the Course Textbook. (Read the PREFACE as well)

Title: Engineering Design: A Product Based Introduction, 4th Edition; Wiley.

By C. Dym, P. Little and E. J. Orwin  
ISBN: 978-1-118-806999

List 10 Important ideas/concepts for Engineering Design that will inspire you in your capstone project. Elaborate appropriately.

**Due:** Tuesday, 09/19/23; 5.00pm in FCAE: ENGR010C; Hard copy to Jack Murphy.

**NOTE: A Digital ebook, for 150 day rental, from 09/01/23, ISBN:978-1-118-806999, has been provided to all capstone designers at no cost; download instructions etc. have been sent by the URI Bookstore.**

## Homework 6

Read Chapter 15 of the Textbook: Design Team Dynamics

List 10 thoughts/affirmations/concepts, which are important to you as a team member in your project.

**Due:** Tuesday, 09/26/23; 6.30pm. in FCAE: ENGR010C; Hard copy to Jack Murphy.

## Homework 7

Compare Individual Ch. 15 points (in HW#6) with team Capstone Designers (CDs). List key differences and conclusions after team discussions.

**Due:** Tuesday, 10/03/23; 5pm. in FCAE 150, ELECOMP Capstone Lab, Hard copy for Jack Murphy.

## Homework 8

Read **Section 1.1** of the supplemental book for capstone, pages 3-16:

### **“Writing Style & Standards in Undergraduate Engineering Reports.”**

List 10 thoughts/affirmations/concepts, which are important to you as you prepare to submit the MPR#1 on Sunday October 22nd.

**Due:** Tuesday, 10/17/23; 5pm. in FCAE 150, ELECOMP Capstone Lab, Hard copy for Jack Murphy.

**NOTE: A Digital ebook, for rental, from 09/01/23, has been provided to all capstone designers at no cost; download instructions etc. have been sent by the URI Bookstore.**

## Homework 9

Read **Section 1.9** of the supplemental book for capstone, pages 53-72:

### **“Writing Style & Standards in Undergraduate Engineering Reports.”**

List 10 thoughts/affirmations/concepts, which are important to you as you prepare to submit the MPR#1 on Sunday October 22nd. Study the format of the MPR#1 for comparison purposes.

**Due:** Tuesday, 10/17/23; 5pm. in FCAE 150, ELECOMP Capstone Lab, Hard copy for Jack Murphy.

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## **Missed deadline costs Tufts Health Plan millions**

***TUFTS HEALTH PLAN missed the application deadline to keep its portion of the state's contract for Medicaid managed care by two minutes on Jan. 28.***

**PROVIDENCE – Tufts Health Plan learned the hard way in January that missing a deadline by two minutes is no excuse – and costly, too.**

**Tufts representatives missed the application deadline to keep its portion of the state's contract for Medicaid managed care by 120 seconds on Jan. 28 after frantically trying to get out of the Whole Foods plaza on North Main Street in Providence to submit their bid, WPRI-TV CBS 12 reported Thursday.**

**The representatives unexpectedly found themselves stuck in bread-and-milk traffic after scanning PDFs at Staples for their application that were due by 1 p.m. at the administrative buildings just opposite the Statehouse, according to WPRI-TV. A higher-than-usual number of shoppers had descended on the Whole Foods store in preparation of a forecasted blizzard.**

**Tufts ended up submitting the material two minutes after the deadline, effectively disqualifying the insurer from bidding to keep a portion of the contract, which is reportedly worth \$7 billion over five years.**

**Tufts appealed the state's decision on Jan. 31 arguing a "confluence of several unanticipated circumstances" led to the missed deadline. However, the appeal was denied in a letter from R.I. Department of Administration Director Jim Thorsen on Feb. 10. Tufts current Medicaid contract with the state is slated to expire in July 2023. If Tufts remains disqualified from bidding for a renewal, it could lose out on over \$400 million in business over five years. Currently, Tufts provides Medicaid health insurance coverage to roughly 17,000 Rhode Islanders, or about 5% of all residents enrolled in the program.**