



**Fall 2001**  
September 19, 2001

**EGN 4411** Engineering Design 2 **ED2**

# **Course Work Sheets**

**College of Engineering (COE)**  
**Florida Atlantic University**

**Prepared by**

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## ED2 Course Syllabus

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### EGN 4411 - Engineering Design 2

#### Course Description

Continuation and completion of multi-disciplinary team projects initiated in prerequisite course EGN 4410 Engineering Design 1.

**Credits:** 2

#### Pre-requisite:

EGN 4410 Engineering Design 1

#### Instructor(s)/Coordinators:

- Dr. Bassem Alhalabi, CSE, SE362, 297-3182, balhalabi@cse.fau.edu
- Dr. Salvatore Morgera, EE, SE456, 297-1054, salivar@fau.edu

#### Text book:

Dym and Little, "Engineering Design", John Wiley, 1999

#### Reference books:

- H.S. Fogler and S.E. LeBlanc, *Strategies for Creative Problem Solving*, Prentice Hall, 1995.
- Edward Lumsdaine and Monika Lumsdaine, *Creative Problem Solving*, McGraw Hill, 1995.
- Eisenberg, "A Beginner's Guide to Technical Communication", McGraw Hill, 1998.

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

#### Grading Policy

*Important: The difficulty level of the project is a mutual agreement between the student and the advisors and once agreed on, it would not affect the grade.*

Your final grade is based on several partial scores as explained in the Grading Sheet.



## ED2 Class Schedule (Fall 2001)

Subject to change.

Legend: A= Dr. Alhalabi, M= Dr. Morgera, Cr= to Coordinators, Ad= to Advisors, e= by email

WEEK / DATE	INST. / ROOM	ACTIONS IN CLASS	SUBMISSION
<b>1</b> T 08/21 R 08/23 F 08/24	-- -- -- -- A GCS117	-- -- Welcome back to ED	-- -- --
<b>2</b> T 08/28 R 08/30 F 08/31	M GCS117 A GCS117 -- GCS117	Q/A Q/A Team meetings	-- -- --
<b>3</b> T 09/04 R 09/06 F 09/07	M GCS117 A GCS117 -- GCS117	Project update and status Project update and status Team meetings	Log Sheets signed [Cr] (Signed every 1-2 weeks afterwards)
<b>4</b> T 09/11 R 09/13 F 09/14	M GCS117 A GCS117 -- GCS117	Project update and status Project update and status Team meetings	Grading Sheets [Cr] -- --
<b>5</b> T 09/18 R 09/20 F 09/21	M GCS117 A GCS117 -- GCS117	Project update and status Project update and status Team meetings	Report Draft-1 [e,Ad] -- --
<b>6</b> T 09/25 R 09/27 F 09/28	M GCS117 A GCS117 -- GCS117	Project update and status Project update and status Team meetings	-- -- --
<b>7</b> T 10/02 R 10/04 F 10/05	A+M E Lobby A+M E Lobby -- GCS116	Join ED1 for MiniProject Demos Join ED1 for MiniProject Demos Team meetings	-- -- --
<b>8</b> T 10/09 R 10/11 F 10/12	-- GCS117 A+M GCS117 A+M GCS117	Team meetings Presentation (25 min), final changes Presentation (25 min), final changes	Report Draft-2 [e,Ad] -- --
<b>9</b> T 10/16 R 10/18 F 10/19	-- GCS117 A+M GCS117 A+M GCS117	Team meetings Presentation (25 min), final changes Presentation (25 min), final changes	-- -- --
<b>10</b> T 10/23 R 10/25 F 10/26	M GCS117 A GCS117 A+M GCS117	Q/A Q/A Team meetings	-- -- --
<b>11</b> T 10/30 R 11/01 F 11/02	M GCS117 A GCS117 A+M GCS117	Q/A Q/A Team meetings	Executive Summary [e,Cr] -- --
<b>12</b> T 11/06 R 11/08 F 11/09	M GCS117 M GCS117 A GCS117	Team meetings Team meetings Team meetings	Log Sheets [Cr] -- Peer Evaluation [Cr]
<b>13</b> T 11/13 R 11/15 F 11/16	M GCS117 M GCS117 A GCS117	Team meetings Team meetings Team meetings	-- -- --
<b>14</b> T 11/20 R 11/22 F 11/23	A+M GCS117 -- -- -- --	Project presentations and demos (25 min) Thanksgiving Recess Thanksgiving Recess	Final Report [e,Ad+Cr] -- --
<b>15</b> T 11/27 R 11/29 F 11/30	A+M GCS117 A+M GCS117 A+M GCS117	Project presentations and demos (25 min) Project presentations and demos (25 min) Project presentations and demos (25 min)	-- -- --
<b>16</b> T 12/04 R 12/06 F 12/07	A+M GCS117 -- -- -- --	Project presentations and demos (25 min) Reading Day --	-- -- --



## ED2 Coordinator and Advisor Grading Sheet

Each student must fill the top part of this grading sheet once the project is determined and advisors are secured. Each student must turn in this form by the end of week 2 to the advisor. This form shall remain with the advisor till the end of the semester for final grading. The advisor will then turn it in to the course coordinators for final grade reporting.

Semester: (circle one) Fall Spring Summer, Year 20\_\_\_\_

Project Title: \_\_\_\_\_ Team #

Student Name: \_\_\_\_\_ SS#: \_\_\_\_\_ Signature: \_\_\_\_\_

Team Members/Dept: 1) \_\_\_\_\_ / 2) \_\_\_\_\_ / 3) \_\_\_\_\_ /

Advisor: \_\_\_\_\_ Initials: \_\_\_\_\_

Co-Advisor(s): \_\_\_\_\_ Initials: \_\_\_\_\_

Coordinators: 1) \_\_\_\_\_ 2) \_\_\_\_\_ 3) \_\_\_\_\_

**Project Grading Table: Advisor fills first two lines, and coordinator fills last line.**

Grade Portion Category	Score	Advisor Score	Co-advisor Score (opt)	Coordinator Score	Average Scores
Report Draft-1: Does it have substantial material?	team 0-10				
Report Draft-2: Does it have substantial addition?	team 0-10				
Report Final: Complete, clear and neat?	team 0-15				
Project Executive Summary: [Complete and functional?	team 0-5				
Project Demo: Complete and functional?	team 0-15				
Project Presentation: Overall clarity and style?	team 0-10				
Project Presentation: Individual student style?	student 0-5				
Instructor Evaluation: General student behavior/conduct.	student 0-10				
Peer Team Evaluation: Student performance in the team?	student 0-10				
ED2 Log Sheet: Progress consistently maintained?	student 0-10				

Final Grade	Initials	Letter Grade: A, A-, B+,....	Sum
By the Course/Project Coordinator			



Each student should individually maintain this log sheet and must periodically (every one week) annotate his/her progress summary and have it initialed and dated by their advisors (coordinators when advisors are not available). Advisors must check the logbooks to match the progress summary on this form. Towards the end of the semester, students must turn it in to the course coordinators. Report problems if any.

Student Name: \_\_\_\_\_

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<b>Project Progress Log Summary: Students annotate and advisors Initial.</b>		<b>Advisor Check</b>
I have Done:	I will do:	Hours _____ Log Bk _____ Date _____ Initials _____
I have Done:	I will do:	Hours _____ Log Bk _____ Date _____ Initials _____
I have Done:	I will do:	Hours _____ Log Bk _____ Date _____ Initials _____
I have Done:	I will do:	Hours _____ Log Bk _____ Date _____ Initials _____
I have Done:	I will do:	Hours _____ Log Bk _____ Date _____ Initials _____
I have Done:	I will do:	Hours _____ Log Bk _____ Date _____ Initials _____



## **Labs Usage Limitation**

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*To use any lab facilities and equipment, you must be enrolled in Engineering Design I or II Courses. Or, you may have a special permission from COE.*

## **Rules & Regulations**

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1. Use your student's ID card to admit **ONLY** yourself and **KEEP** the doors always **CLOSED**.
2. No smoking / drinking / eating is allowed in the labs. Keep the entire lab **CLEAN**.
3. Lab Equipment, Hardware, Software, and Documents **MAY NOT** be checked out.
4. Do not **INSTALL / COPY / DELETE / MODIFY** any software in the labs.
5. Once you are assigned a station in any lab, stick with it till the end of the project.
6. You may keep personal components related to your project in the lab till it is completed.
7. Be conservative on consumable items and reuse working items.

## **Security**

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*You may be video taped for your security and against lab vandalism*

## **Problem Reporting**

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*Any hardware/software failure, discovery of any lost or damaged item, or any abuse in any form in any lab must be reported to the COE tech support or to the coordinators.*

## **Penalties**

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*Any violation and/or abuse in any form of any Lab regulations and/or facilities may result in disciplinary actions and loss of lab access privileges.*