

EGR291–ECE Freshman/Sophomore Seminar Series

Spring 2008 Syllabus

Instructor Information:

Name: Prof. Robert J. McGough
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 Office Address: 1213 Engineering Building
 Office Hours: MW, 3 p.m. to 4 p.m.
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Course Information:

Lecture:
 All sections (601, 602, and 603): Tuesday 11:30 a.m. to 12:20 p.m. in 2245EB

Lab:
 Section 603: Tuesday 7:00 p.m. to 9:50 p.m. in 3230EB
 Section 601: Wednesday 7:00 p.m. to 9:50 p.m. in 3230EB
 Section 602: Thursday 7:00 p.m. to 9:50 p.m. in 3230EB

Required Text: None.

Course Outline:

Class	Course Topic	Lab	Speaker
1/8	Overview/ECE Basics	Lab 01	Dr. McGough
1/15	Intro to ECE	Lab 02	Dr. McGough
1/22	Resumes	Lab 03	Jennifer Jennings
1/29	Resume Due/ECE advisor	Lab 04	Sean Foctman
2/5	Guest Lecturer	Lab 05	TBA
2/12	Guest Lecturer	Lab 06	TBA
2/19	ECE research	Lab 07	Dr. Hogan
2/26	Revised Resume Due/Guest Lecturer	Lab 08	TBA
3/4	spring break	no lab	no speaker, no class this week
3/11	Guest Lecturer	Lab 09	TBA
3/18	Final Proj. Intro/Guest Lecturer	Final Project	TBA
3/25	SIRS forms/Biomedical Panel	Final Project	Dr. Mukkamala, Dr. Oweiss, Dr. Udpa
4/1	Guest Lecturer	Final Project	TBA
4/8	Guest Lecturer	Final Project	TBA
4/15	Radar	Final Project	Dr. Fisher
4/22	Final Report Due/Radar	Final project	Dr. Fisher
4/25	Design Day		Robot Competition

The first week of class:

Visit the DECS office (1325 Engineering Building) and establish your engineering computer account. Choose your password in advance, as you will need to quickly type it before the screen times out.

You will need your engineering account the following week when labs start.

Grading Policy:

Grading Scale:

- ≥95% = 4.0
- ≥90% = 3.5
- ≥85% = 3.0
- ≥80% = 2.5
- ≥75% = 2.0
- ≥70% = 1.5
- ≥65% = 1.0
- <65% = 0.0

For example, if you score a 70.01%, you will receive a 1.5. If you score a 69.99%, your grade will be 1.0. The instructor reserves the right to adjust each grading transition as he sees fit, for any reason. There is no guarantee that any adjustment will be made at the end of the semester, and there is no guarantee that adjustments will be uniform and/or consistent.

Grading Breakdown:

- Attendance: 20%
- Class Participation: 10%
- Labs: 20%
- Resume: 15%
- Final Paper: 15%
- Final Project: 20%

Attendance Policy:

1. Attendance is required. Spartan Life, Section 2.3.3: "The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards."
2. Attendance will be taken at random at the very beginning of class.
3. One absence will be dropped (no excuse required).
4. Additional absences will be counted regardless of the reason.

Lab Information:

1. Labs take place in 3230EB.
2. The entire lab assignment must be completed during the lab session (you will not be allowed to stay late).
3. You are allowed to drop 1 lab grade.
4. There are no makeup labs.
5. You must be on time for your lab meeting, or you will lose 1% per minute (Lab computers keep official time).

6. There are no lab reports - successful completion of each lab will be determined in lab.

Lab Consultants:

Section 603 (Tues): TBA

Section 601 (Weds): TBA

Section 602 (Thurs): TBA

Resume Assignment:

1. The first draft of your resume is due one week after the resume lecture at 11:30 a.m. - turn in a hard copy at the 'Center for Experiential Education and Career Exploration' (across from Sparty's) in 1340EB. They will have a box labeled 'EGR 291' for your resumes.
2. Your revised resume (i.e., the final draft) is 4 weeks later in class at 11:30am - turn in via Angel.

Final Paper Requirements:

1. Double spaced, 12pt font, 1" margins on all 4 sides
2. A coversheet is required
3. Length 4-8 pages
4. The paper needs to be grammatically correct!
5. Due at 11:30 a.m. on last day of class (turn in via Angel)
6. Include a reference page (if applicable)
7. Suggested Topics
 - (a) Weekly speakers
 - (b) Job fair (if applicable)
 - (c) Lab experience
 - (d) What would I do with a degree in EE or CpE? Why?
 - (e) What companies would I like to work for? Why?
 - (f) Where would I like to live after graduation? Why?
 - (g) Would I like to go into industry or research? Why?

Final Project:

1. Culmination of your weekly lab experience
2. Generally robot-based
3. The competition is held on Design Day, which is on Friday during the last week of classes.
4. The winning group will have their names engraved on a perpetual plaque.

Academic Integrity:

Student Life, Section 2.3.3:

"The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards."

In addition, the (insert college/department/school name) adheres to the policies on academic honesty as specified in General Student Regulations 1.0, Protection of Scholarship and Grades, and in the all-University Policy on Integrity of Scholarship and Grades, which are included in Spartan Life: Student Handbook and Resource Guide.

Students who commit an act of academic dishonesty will receive a 0.0 on the entire assignment or for the course. If an act of academic dishonesty results in a grade of 0.0 for a particular assignment (including exams, projects, quizzes, etc.), that grade cannot be dropped.

Other:

Classroom Policy:

Spartan Life, Section 2.3.5:

"The student's behavior in the classroom shall be conducive to the teaching and learning process for all concerned." On the one hand, the 'class participation' contribution to your final grade will be negatively impacted by sleeping, reading the paper, ringing cell phones, signing and leaving early, etc. - professionalism is strongly encouraged. On the other hand, the 'class participation' contribution to your final grade will be enhanced by asking at least one question of a visiting speaker during the semester, making extra effort to improve your programming skills, etc.

Regrade Policy:

If you would like for me to look at the grading of an assignment, please send me an e-mail which details the reason why you feel you deserve more credit. Then, re-submit the assignment to me and I will reply to your e-mail with my decision. Be aware that I randomly make photocopies of your assignments before I return them to you.

E-Mail Policy:

Responses to E-mail questions will generally be provided within 24 hours of receipt (during the semester). Emails submitted on Thursday or Friday should receive a response at least by Monday. If you wish to request a meeting with the instructor via e-mail, 2-3 days advance notice is required. You should include in your email at least three days/times that you can meet.

Calculator Policy:

Only 'simple' (non-programmable/graphing) calculators are allowed.

Equal Opportunity Policy:

Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Accommodations for persons with disabilities, with documentation from RCPD, may be requested by contacting the instructor at the start of the term and/or two weeks prior to the accommodation date (test, project, etc). Requests received after this date will be honored whenever possible.