

Syllabus for  
**EGR 100—Engineering/Physics Seminar**  
0 Credit Hour  
Fall 2008

I. COURSE DESCRIPTION

A discussion of current topics and practical aspects of engineering and engineering physics.  
(Engineering and engineering physics majors are required to enroll in this course every semester.)

II. COURSE GOALS

The intent of this course is to contribute to the student's knowledge of many different disciplines of engineering and physics from a practical perspective. It is also intended that the camaraderie and morale of the engineering and physics students and faculty be improved through fellowship, technical interaction, and an increased awareness of the important roles that engineers and physicists play in society.

III. STUDENT LEARNING OUTCOMES FOR THIS COURSE

As a result of successfully completing this course, the student will be able to do the following:

- A. Discuss and explain current ideas, methods, and tools in many disciplines of engineering and physics through presentations by practicing engineers and physicists.
- B. Encourage each other and faculty as well, and communicate concerns in a departmental setting. This is expected to improve the educational process.
- C. Observe and participate in activities and projects of their fellow students through departmental project presentations.
- D. Participate in technical societies by having a prearranged meeting time.

IV. TEXTBOOKS AND OTHER LEARNING RESOURCES

No required textbook

V. POLICIES AND PROCEDURES

- A. University Policies and Procedures
  1. Attendance at each class or laboratory is mandatory at Oral Roberts University. Excessive absences can reduce a student's grade or deny credit for the course.
  2. Students taking a late exam because of an unauthorized absence are charged a late exam fee.
  3. Students and faculty at Oral Roberts University must adhere to all laws addressing the ethical use of others' materials, whether it is in the form of print, video, multimedia, or computer software. By submitting an assignment in any form, the student gives permission for the assignment to be checked for plagiarism, either by submitting the work for electronic verification or by other means.

4. Final exams cannot be given before their scheduled times. Students need to check the final exam schedule before planning return flights or other events at the end of the semester.
5. Students are to be in compliance with University, school, and departmental policies regarding ePortfolio requirements. Students should consult the ePortfolio handbooks for requirements regarding general education and the students' majors.
  - a. The penalty for not submitting electronically or for incorrectly submitting an ePortfolio artifact is a zero for that assignment.
  - b. By submitting an assignment, the student gives permission for the assignment to be assessed electronically.

B. Course Policies and Procedures

1. There will be a total of 11 seminars, 10 of which are scheduled on campus and have mandatory attendance.
2. Every Wednesday at 4:30 p.m. is set aside for seminar. The scheduled seminar days may change. Just because a seminar is not scheduled for a certain Wednesday, do not make other commitments for that time period.
3. Grading is A,B, C, and F and is based solely on attendance and participation in the 9 mandatory attendance seminars.
  - a. For 0 absences the grade will be an "A"
  - b. For 1 absence the grade will be a "B"
  - c. For 2 absences the grade will be a "C"
  - d. For 3 absences the grade will be an "F"
4. There is no "make-up" for missed seminars unless you have an administrative excuse or a signed letter from your doctor. One make-up session will be scheduled for each seminar.
5. For those who qualify, make-up sessions will be scheduled when all students who need to make up a particular seminar do not have other classes. You will view a videotape. **You must schedule your make-up session within one week of the missed seminar, otherwise an absence will be recorded. There will not be "make-ups" for make-up sessions.**  
The attendance record will be made a part of the permanent records and portfolio for each student and will be strongly considered by his or her references in evaluating and recommending the student for awards and employment
6. ePortfolio Requirements  
None.

## VI. COURSE CALENDAR

### SEMINAR

8-20	Dr. Halsmer
8-27	Student Panel
9-3	ASME/IEEE/SHPE Student Callout Meetings/ Picnic
9-10	No Seminar
9-17	Egg Drop Contest
9-24	Robotics Competition
10-1	Senior Project Proposals
10-8	No Seminar
10-15	F A L L B R E A K
10-22	Physics II Project Presentations
10-29	Speaker - TBD
11-5	No Seminar
11-12	Speaker – TBD
11-19	Speaker - TBD
11-26	T H A N K S G I V I N G B R E A K
12-3	C H R I S T M A S C E L E B R A T I O N

## Course Inventory for ORU's Student Learning Outcomes

### EGR 100—Engineering/Physics Seminar

Fall 2008

This course contributes to the ORU student learning outcomes as indicated below:

**Significant Contribution** – Addresses the outcome directly and includes targeted assessment.

**Moderate Contribution** – Addresses the outcome directly or indirectly and includes some assessment.

**Minimal Contribution** – Addresses the outcome indirectly and includes little or no assessment.

**No Contribution** – Does not address the outcome.

The Student Learning Glossary at <http://ir.oru.edu/doc/glossary.pdf> defines each outcome and each of the proficiencies/capacities.

OUTCOMES & Proficiencies/Capacities		Significant Contribution	Moderate Contribution	Minimal Contribution	No Contribution
<b>1</b>	<b>Outcome #1 – Spiritually Alive</b> Proficiencies/Capacities				
1A	Biblical knowledge				√
1B	Sensitivity to the Holy Spirit				√
1C	Evangelistic capability				√
1D	Ethical behavior				√
<b>2</b>	<b>Outcome #2 – Intellectually Alert</b> Proficiencies/Capacities				
2A	Critical thinking		√		
2B	Information literacy			√	
2C	Global & historical perspectives			√	
2D	Aesthetic appreciation			√	
2E	Intellectual creativity			√	
<b>3</b>	<b>Outcome #3 – Physically Disciplined</b> Proficiencies/Capacities				
3A	Healthy lifestyle				√
3B	Physically disciplined lifestyle				√
<b>4</b>	<b>Outcome #4 – Socially Adept</b> Proficiencies/Capacities				
4A	Communication skills				√
4B	Interpersonal skills				√
4C	Appreciation of cultural & linguistic differences				√
4D	Responsible citizenship				√
4E	Leadership capacity				√