Class Meetings: 10 – 11:50 PM Tues & Thurs, Engineering Building, Room 214
No textbooks required

Instructor: Dr. Stephen Poe
Office: Shantz Building, Room 528
Office Hours: Monday and Wednesday 11:00am - Noon & Tuesday 11:00am - Noon, or by appointment
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Telephone: 520 621-5879

Overall ENGR 102B Learning Objectives:
- Be able to use the engineering design process to meet expressed needs.
- Become effective team members.
- Become effective communicators.
- Understand the fundamental principles and skills that support learning and become lifelong learners.

What you are expected to do in ENGR 102B:
- Come to class and participate in discussions and activities
- Learn the assigned materials
- Complete the workshops and homework assignments
- Complete the Solar Oven team design project
- Complete the Grand Challenges of Engineering unit
- Complete the Design of Experiments team project
- Take the Midterm and Final Exams

How your learning is assessed:

<table>
<thead>
<tr>
<th>Section 002 – ENGR 102B Regular</th>
<th>Section 003 – ENGR 102B Honors</th>
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<tbody>
<tr>
<td>30% Midterm &amp; Final Exams (individual)</td>
<td>30% Midterm &amp; Final Exams (individual)</td>
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<tr>
<td>25% Solar oven unit (team)</td>
<td>25% Solar oven unit (team)</td>
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<tr>
<td>20% Homework (individual)</td>
<td>15% Homework (individual)</td>
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<tr>
<td>15% Grand Challenges unit (individual)</td>
<td>15% Grand Challenges unit (individual)</td>
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<tr>
<td>10% Design of Experiments unit (team)</td>
<td>10% Design of Experiments unit (team)</td>
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<td></td>
<td>5% Honors project (individual)</td>
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Final Course Grades and Extra Credit:
Opportunities for extra credit, if any, will be presented in class. Extra credit opportunities will not be posted on D2L. Peer evaluations at the end of the semester may account for grade adjustments of up to a few percentage points in either direction.
Grading scale: 90% or more of possible points = A, 80% = B, 70% = C, 60% = D, <60% = E. (Please note: a final adjusted grade of 69.5% is not a C, 79.5% is not a B, and 89.5% is not an A.)

**Homework:**
Homework will be assigned in class. Assignments are generally due by 11:59 pm on the dates shown in D2L and the lecture slides. Late homework submissions are not accepted. Unless otherwise specified, homework must be submitted to the D2L drop box. **It is the student’s responsibility to check that the submission is actually in the D2L dropbox!** “I submitted the homework, but then it wasn’t in the dropbox” is not an excuse for missed homework. I’ve created a Practice dropbox for your experimentation – try it! All instructions regarding content, form, method of submission and appearance must be followed and will be graded. Your instructor and our assigned grader will grade homework submissions.

**Exams:**
The exams are based on the material covered during lectures, homework assignments, the material on D2L Content, supplemental materials, and the projects. **Missed exams:** It is not fair to your fellow students or to you to issue make-up exams. Only in pre-approved extreme circumstances will make-up exams ever be considered. Oversleeping is never an acceptable excuse. **Cell phones** are prohibited during exams and are also to be turned off for every class. EXAMS WILL BE GIVEN IN CLASS AND WILL REQUIRE A COMPUTER.

**Late Policy:**
Only in pre-arranged extreme instances will late work be excused without penalty. Otherwise, late homework, reports, or assignments are graded as a **ZERO.** Late submissions are not accepted on assignments to be submitted through D2L.

**Attendance:**
Attendance at every class meeting is critical for success in this class. In ENGR102B, we may have (guaranteed) unannounced in-class activities or quizzes for credit. Unexcused absences on these occasions may negatively impact your final course grade.

All holidays or special events observed by organized religions will be honored for those students who show affiliation with that religion. Religious absences pre-approved by the UA Dean of Students (or the Dean’s designee) will be honored. Exams will not knowingly be scheduled that will conflict with such dates, and I will not penalize anyone for missing a class on such dates (although any missed work must be made up for credit). If you know that you will miss a class or exam due to religious reasons, you must provide me with written notice at least two weeks before the date that you will miss.
If you miss class for any reason, you must check D2L to review the course news as well as the lecture slides and other materials from the class meeting that you missed. Once our teams are formed, it’s also important to check in with your teammates if you ever miss a class or other ENGR 102B event.

Check the D2L Website:
You are responsible for keeping up to date on the requirements for this course. All schedules, documents, lecture slides, assignments, and other materials relating to the section class will be maintained on the course D2L website. Check the D2L website daily for information related to assignments, including adjustments to due dates.

Academic Dishonesty:
As a student at the University of Arizona, you are bound by the UA’s Code of Academic Integrity. Many students, especially International students, are surprised at the expectations for UA students. Please carefully read the Code of Academic Integrity at http://deanofstudents.arizona.edu/codeofacademicintegrity. If any form of academic dishonesty occurs in this course, procedures as outlined by the Dean of Students will be followed. A reduction in credit is the minimum action to be taken. Other actions (e.g., notes on transcripts, reduction in final grade in course) may be taken as deemed appropriate.

- Individual assignments are to be your work only. Do not copy someone else’s work and do not let other people copy yours. Giving your efforts away to other people deprives them of the opportunity to learn. Copying someone else’s work tells me you do not understand the material. In accordance with the Student Code of Academic Integrity, if instructor determines that individual assignments have been copied, ALL copies will receive a grade of ZERO.

- You may, however, discuss any assignment in general terms and help each other in completing assignments. In such cases, we would expect work to be similar (but not identical). Team assignments are to be a collaborative effort by all members in your team and team submissions must not be copies of another team’s report. Furthermore, team reports should cite the work of others when appropriate so as to avoid plagiarism. Again, if we determine that team assignments have been copied, ALL copies will receive a grade of ZERO.

- Anyone found cheating on an exam is in violation of the Student Code of Academic Integrity and will receive a ZERO on that exam.

Classroom Behavior:
At all times in our classroom, respect for your instructor and your fellow classmates is expected. Please turn off/put away cell phones, social networks, and other distractions prior to the start of class.
Threatening behavior by anyone will not be tolerated. If we perceive that someone is acting in a threatening manner during this semester, we will immediately report that person to the Campus Police and to the Dean of Students. Please maintain a civil and collegial demeanor with all individuals so that we can all profit from the educational experience offered at the University.

**Students with Special Needs:**
It is the University’s goal that learning experiences be as accessible as possible. Students with disabilities or special needs who require reasonable accommodations to fully participate in course activities or meet course requirements should register with the S.A.L.T. Center ([http://www.salt.arizona.edu/](http://www.salt.arizona.edu/)) or the Disability Resource Center ([http://drc.arizona.edu/](http://drc.arizona.edu/)) to establish reasonable accommodations. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options.

**Engineering Academic Center:**
Visit room 200 in the Engineering Building for more information on computer labs, math study groups, and tutoring. Many studies show that students who participate in study groups earn, on average, one letter grade above those students who do not participate.

**ENGR 102B – Important Dates for Fall 2016**

- **Tuesday, 1/26**: Excel Workshop, in regular classroom and in room 213
- **Thursday, 1/28**: Excel Workshop, in regular classroom and in room 213
- **Tuesday, 3/1**: Midterm Exam, in regular classroom
- **Saturday, 3/5**: Solar Oven Throw Down, from 12 – 1 pm (Will take place on the UA Mall or a similar area outside)
- **Tuesday, 3/15**: No class – Spring Break
- **Thursday, 3/17**: No class – Spring Break
- **Monday, 5/9**: Final Exam, in regular classroom, 3:30 – 5:30 PM