Course Information:

**Classroom:** This is a Synchronous course, and meetings will be via the internet though Blackboard on the day and time assigned. A recording of the lectures will be provided if you are unable to access the portal.

**CRN:** 18882  
**Class Time:** TR 09:00-10:20 AM

<table>
<thead>
<tr>
<th><strong>INSTRUCTOR:</strong></th>
<th>Steve Bonsall</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OFFICE:</strong></td>
<td>Online</td>
</tr>
<tr>
<td><strong>PHONE:</strong></td>
<td>252.412.9459</td>
</tr>
<tr>
<td><strong>EMAIL:</strong></td>
<td><a href="mailto:srbonsall@utep.edu">srbonsall@utep.edu</a></td>
</tr>
<tr>
<td><strong>OFFICE HOURS:</strong></td>
<td>MWF 1:00 – 3:00, or by appointment, via Blackboard Collaborate.</td>
</tr>
</tbody>
</table>
| **PEER LEADER:** | Luis Nunez  
Email: lanunez5@miners.utep.edu  
Office Hours: TBD |
| **ADVISOR:**    | Deyna Aragon  
Email: dcaragon@utep.edu |
| **LIBRARIAN:**  | Librarian: Les Arms  
Email: laarms@utep.edu |
Available:  
Printed from (UTEP Bookstore)  
Online [https://www.amazon.com/b?ie=UTF8&node=16571048011](https://www.amazon.com/b?ie=UTF8&node=16571048011)  
ASIN: B07W7RQ5C1 |
| **FELLOW CLASSMATES:** | Will forward a list in the coming days. |

**Other materials needed:**

One 3 ring binder or notebook for readings/handouts, class notes, assignments and/or journal entries.

**COURSE DESCRIPTION**

“Foundations of Engineering” is the Gateway to your engineering education at the University of Texas at El Paso and to the exciting profession of engineering.
You will have the opportunity to make meaningful connections to the magic of engineering and to contribute to the UTEP legacy of leadership in developing outstanding students and career professionals. The Foundations you build will enable you to be a successful student and a successful engineer!

The foundations are tools for developing:

- academic skills and personal growth skills
- engineering skills in critical thinking and problem solving
- mathematical tools and applications for engineering
- connections with the engineering profession and opportunities to appreciate the world of engineering

At the end of the semester you will:

- Develop and apply elements of leadership through effective individual participation and meaningful team collaboration.
- Examine your roles and responsibilities crucial for your success in college and beyond.
- Identify, assess, and build on your strengths and experiences to develop academic and transitional strategies necessary for success in your academic, career, and life goals.
- Engage in research and critical thinking activities that demonstrate your ability to effectively integrate your learning within, across, and beyond academic settings.
- Engage in campus and community activities to increase your sense of academic and social belonging.

TECHNOLOGY REQUIREMENTS

Course content is delivered via the Internet through the Blackboard learning management system (LMS). Ensure your UTEP e-mail account is working and that you have access to the Web and a stable web browser. Mozilla Firefox and Google Chrome are the most supported browsers for Blackboard; other browsers may cause complications with the LMS. When having technical difficulties, update your browser, clear your cache, or try switching to another browser.

You will need to have or have access to a computer/laptop, scanner, a webcam, and a microphone. You will need to download or update the following software: Microsoft Office, Adobe, Flashplayer, Windows Media Player, QuickTime, and Java. Check that your computer hardware and software are up-to-date and able to access all parts of the course.

If you encounter technical difficulties beyond your scope of troubleshooting, please contact the Help Desk https://www.utep.edu/technologysupport as they are trained specifically in assisting with technological needs of students.

NETIQUETTE

- Always consider audience. Remember that members of the class and the instructor will be reading any postings.
• Respect and courtesy must be provided to classmates and to instructor at all times. No harassment or inappropriate postings will be tolerated.
• When reacting to someone else’s message, address the ideas, not the person. Post only what anyone would comfortably state in a F2F situation.
• Blackboard is not a public internet venue; all postings to it should be considered private and confidential. Whatever is posted on in these online spaces is intended for classmates and professor only. Please do not copy documents and paste them to a publicly accessible website, blog, or other space. If students wish to do so, they have the ethical obligation to first request the permission of the writer(s).

ACCOMMODATIONS POLICY
The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requiring unique accommodations must contact the Center for Accommodations and Support Services (CASS) office and provide their instructor with the proper documentation at the beginning of the semester. CASS office may be contacted at 747-5148, cass@utep.edu.

COVID-19 Precautions: You must STAY AT HOME and REPORT if you (1) have been diagnosed with COVID19, (2) are experiencing COVID-19 symptoms, or (3) have had recent contact with a person who has received a positive coronavirus test. Reports should be made at screening.utep.edu. If you know anyone who should report any of these three criteria, encourage them to report. If the individual cannot report, you can report on their behalf by sending an email to COVIDaction@utep.edu.

For each day that you attend campus—for any reason—you must complete the questions on the UTEP screening website (screening.utep.edu) prior to arriving on campus. The website will verify if you are permitted to come to campus. Under no circumstances should anyone come to class when feeling ill or exhibiting any of the known COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, and alternative instruction will be provided. Students are advised to minimize the number of encounters with others to avoid infection.
Wear face coverings when in common areas of campus or when others are present. You must wear a face covering over your nose and mouth at all times in this class. If you choose not to wear a face covering, you may not enter the classroom. If you remove your face covering, you will be asked to put it on or leave the classroom. Students who refuse to wear a face covering and follow preventive COVID-19 guidelines will be dismissed from the class and will be subject to disciplinary action according to Section 1.2.3 Health and Safety and Section 1.2.2.5 Disruptions in the UTEP Handbook of Operating Procedures.

Please note that if COVID-19 conditions deteriorate in the City of El Paso, all course and lab activities may be transitioned to remote delivery.

**COVID-19 Accommodations:** Students are not permitted on campus when they have a positive COVID-19 test, exposure or symptoms. If you are not permitted on campus, you should contact me as soon as possible so we can arrange necessary and appropriate accommodations.

Students who are considered high risk according to CDC guidelines and/or those who live with individuals who are considered high risk may contact Center for Accommodations and Support Services (CASS) to discuss temporary accommodations for on-campus courses and activities.

**COURSE ASSIGNMENTS AND GRADING**

Assignments for this course will be available in Blackboard every week. Your grading will be determined by:

- Reading/Viewing all course materials to ensure understanding of assignment requirements
- Participating in engaging discussion with your peers on the Discussion Boards (grading rubric provided in the “grading information” area of each forum)
- Completing all Module Activities (assignments, quizzes, etc.)
- Completing all Major Assignments

Assignments will be assessed according to a designated Grading Rubric with crucial information that could affect your grade for each activity. You can find these rubrics by clicking on the appropriate assignment link in Blackboard and choosing to “View Rubric” from the button beneath the Points Possible for the assignment.

**Grading:**

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<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tr>
<td>2 Exams</td>
<td>60%</td>
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<tr>
<td>Project and Presentation</td>
<td>20%</td>
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<tr>
<td>Homework, quiz, class participation, activities and survey</td>
<td>20%</td>
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**Project:**

The project will be a team design engineering project. More information and deadlines about the project will be given at a later date.
**Presentation:** The presentation will be online about the group project. The presentation should be at least fifteen minutes using power point and all of the team members are required to present.

**Homework:** The homework must be turned by the due date. As part of your homework, you may be required to have at least 1 mentoring session (see below) and attend some UTEP events either in virtual mode.

**Quizzes:** The quizzes are given during the live class session. No make-up quiz will be given if you unable to attend the live class. However, 3 quizzes will be dropped (i.e. will not count towards your grade).

**Class Participation and Activities:**
There will be many in class group and individual activities. In order to get a grade for them you must participate in the activity. There will be no make up for any of the class activities.

**Survey:** There will be an end-of-semester survey. Your participation is important and it will count as a homework and class activity.

**Grading Scale:**
- 100%-90%........A
- 89% -80%........B
- 79% -70%.........C
- 69% -60%.........D
- 59% - 0%.........F

**ATTENDANCE POLICY**
Because this is an online synchronous course, attendance is determined by class participation online. Participation is determined by completion of the following activities:
- Reading/Viewing all course materials to ensure understanding of assignment requirements
- Participating in engaging discussion with your peers on the Discussion Boards (grading rubric provided in the “grading information” area of each forum)

Unexcused Absences. Attendance is mandatory. Students are allowed two (2) UNEXCUSED absences with no repercussions. After the third unexcused absences, the student will be dropped from the class.

**Mentoring:** You will be meeting, on a one-to-one basis, with your peer leader and your instructor at least twice during the semester. Each meeting will count as one homework.
Missing assignments and exams:
- You will be allowed one make up homework assignment during the course of the semester. 20 points will be deducted for each week the assignment is late.
- Exams can only be made up from the day the exam is given in class to the next class day. Example: if the exam is on a Tuesday, you can take the exam on that Tuesday, Wednesday (the next day) and Thursday (prior to the class time). However, 30 points will be deducted from your actual grade for missing an exam without valid reason

Academic Conduct:
Academic dishonesty will not be tolerated. You must submit your work only. If you are found to be cheating or plagiarizing, you will be subject to disciplinary action, per UTEP catalog policy (http://www.utep.edu/dos/acadint.htm).

Harassment: Please be aware that harassment is unacceptable in the classroom. Jokes, comments of sexual nature, as well as racist comments will not be tolerated. The student that violates this rule will be sent to the Dean of students for disciplinary action.

The instructor reserves the right to make any changes to the syllabus during the term of the semester. Any changes made to the syllabus will be notified to the students by the instructor prior to the lecture week.

I welcome you to a new semester and hope that you will make the effort to learn as much as you can. I know each one of you has the potential to make an A.

Important Fall 2020 Dates:
<table>
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<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Labor Day – No classes</td>
<td>September 7</td>
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<tr>
<td>Census Day</td>
<td>September 9</td>
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<tr>
<td>Homecoming Week</td>
<td>TBD</td>
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<td>Fall Drop/Withdrawal deadline</td>
<td>October 30</td>
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<tr>
<td>Thanksgiving – No classes</td>
<td>November 26 – 27</td>
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<tr>
<td>Dead Day</td>
<td>December 4</td>
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<tr>
<td>Final Exams</td>
<td>December 7 - 11</td>
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