

ENGINEERING LEADERSHIP 1405

SPRING 2022, CRN 29444

MEETING TIMES

MWF - 10:30 AM TO 11:20 AM

LOCATION

E-LEAD STUDIOS - CRBL 102

THROUGH TEAMS IF NEED BE

TEACHING TEAM

Peter Golding

pgolding@utep.edu

Office Hours - 8:30 am - 9:20 M,
9:30 am - 10:20 T, 4:30 pm - 5:20 W,
3:30 pm - 4:20 TH, 9:00 am - 9:30 F,
or by appointment

Cole Joslyn

chjoslyn@utep.edu

Office Hours - 9:00 am - 10:00 T,
or by appointment

Anneliese Fensch

amfensch@miners.utep.edu

Office Hours - 4:30 pm to 5:00,
MW

Eric Criollo

eacriollo@miners.utep.edu

Office Hours - 11:30 am - 12:30 pm, W

Angelica Littles

aalittles@miners.utep.edu

Office Hours - 2:00 pm - 3:00, M

Carla Ann Navar

cjnavar2@miners.utep.edu

Office Hours - 11:30 am - 12:30 pm,
MW

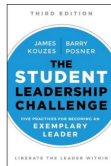
FUNDAMENTALS OF LEADERSHIP, DESIGN, AND GRAPHICS

In this course, we will take nature & the environment, an important source of inspiration and understanding, as a theme and develop sustainable ideas into functional prototypes. Our focus is on the general principles and methods that shape the practice of engineering design. Students complete individual and team projects in an environment where we seek to develop a shared practice and understanding of engineering design. Students also gain experience in visualization, experimentation, estimation, fabrication, and presentation as they relate to designing. **This class is fast paced, thus requires time management and organization in order to stay on top of assignments.**

COURSE MATERIALS



Autodesk Fusion 360 Software **2021 Edition**
Available Through UTEP



The Student Leadership Challenge textbook by Kouzes and Posner - **3rd Edition**



The Student Leadership Challenge workbook by Kouzes and Posner - **3rd Edition**

ATTENDANCE & PARTICIPATION POLICY

Attendance is required in every class period. Participation requires that you are active in class and listen to instructions. In the event that you must miss class, contact one of the members of the teaching team in advance letting them know you will not be able to attend. If you fail to do so or are missing class for reasons not approved by the University (religious holidays, illness, etc.), it will be counted as an unexcused absence. More than three unexcused absences will result in a 10% drop in your final grade. Every three late arrivals are counted as one absence.

Please see the COVID-19 precaution statement regarding our COVID-19 policy and attendance.

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KEY COURSE GOALS

- Learn elements and management of an engineering design process
- Experience an emphasis on progressing ideas through to functional prototypes.
- Experience the excitement, breadth and power of engineering design.
- Learn methods supporting common design activities such as generation, evaluation and selection.

FINAL GRADE BREAKDOWN

PROJECT 1: NON-PROFIT PROJECT	25%
PROJECT 2: SUSTAINABILITY PROJECT	25%
HOMEWORK	20%
CAD CRASHCOURSE	10%
JOURNALS	10%
PARTICIPATION AND ATTENDANCE	10%

ACADEMIC INTEGRITY

Academic Dishonesty: students are encouraged to collaborate throughout the semester, but all graded materials must represent the student's individual work. (When in doubt, ask!) Academic dishonesty is the attempt to present the work of somebody else as his or her own work or attempting to pass any assignment by improper means. It is a serious offense and will not be accepted. Any misconduct will be handled according to the current university policy and reported in accordance with university regulations. For more information visit the Dean of Students or <http://studentaffairs.utep.edu>.

SPECIAL ACCOMMODATIONS

If you would like to request special accommodations due to a disability, we can certainly work that out. Please contact the Center for Accommodations and Support Services via their website <http://sa.utep.edu/cass/>.

COVID - 19 PRECAUTION STATEMENT

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID-19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit epstrong.org.