The Fundamentals of Engineering Leadership and Graphics course is designed to equip you with fundamental skills that will help you thrive during your pursuit of a B.S. in Engineering Innovation and Leadership. Our goal is for you to get off to a great start in your higher education pathway. Therefore, one major focus of the course is helping you develop your identity as a leader and as an engineer. Another focus of this course is building community and understanding the culture, expectations, and structure of the E-Lead program. We also seek to help you perceive and recognize opportunities for professional development beyond the classroom experience. Furthermore, this course introduces you to the way we teach in the E-Lead program using techniques such as the flipped classroom method and project-based learning. The final focus of this course is helping you develop engineering graphics skills. This includes building skills in 2D and 3D sketching and creating assemblies and animations using contemporary computer-aided design software.

### KEY COURSE GOALS
- Design & Creativity
- Content Learning (Graphics)
- Communication
- Teaming & Collaboration
- Community

### MEETING TIMES
Tuesdays & Thursdays
1:30 PM - 2:50 PM
Via Blackboard Collaborate Ultra supported by and additional platforms, as helpful, including Remo, Microsoft Teams, and Zoom

### TEACHING TEAM

**Anneliese Fensch**
amfensch@miners.utep.edu
Virtual Office hours: W 10:30-11:30 AM, F 11:30-12:30 PM or by appointment

**Cole Joslyn**
chjoslyn@utep.edu
Virtual Office hours: T 11:00-12:00 PM

**Magdalena Guillen**
miguillen@miners.utep.edu
Virtual Office hours: M 10:00-12:00 AM or by appointment

**Maximo Gamez**
msgamez@miners.utep.edu
Virtual Office hours: by appointment

**Peter Golding**
pgolding@utep.edu
(915) 747-8125
Virtual Office hours: M 4:30-5:30 PM, R 10:15-11:15 AM, F 3:15-4:15 PM or by appointment

**Vidal Guzman**
vguzman4@miners.utep.edu
Virtual Office hours: M 1:30-3:30 PM or by appointment
REQUIRED MATERIALS
We will provide online access to all needed resources through documents, text, and video. Please also download access to one of the two following programs.*

Autodesk Inventor Software 2020 Edition  
Autodesk Fusion 360 Software 2020 Edition

*Student’s discretion: If you have a Windows Operating System, Autodesk Inventor is recommended. If you have an IOS Operating System, Autodesk Fusion 360 is recommended.

ATTENDANCE POLICY**
Attendance is required in every class period. **Attendance requires sharing your device camera (so we can see you) as well as audio.** 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 (i.e., more than five minutes late) are counted as one absence.

**Due to the current circumstances regarding remote learning, if you have connectivity issues please contact one of the members of the teaching team so that we can accommodate your needs.

LEGALESE
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](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/](http://sa.utep.edu/cass/).

FINAL GRADE BREAKDOWN

<table>
<thead>
<tr>
<th>Component</th>
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<tbody>
<tr>
<td>Design Presentations</td>
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</tr>
<tr>
<td>Project 1: Design Heuristic Challenge</td>
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</tr>
<tr>
<td>Project 2: Inside Out</td>
<td>20%</td>
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<tr>
<td>Homework</td>
<td>15%</td>
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<tr>
<td>Folders &amp; E-Portfolios</td>
<td>10%</td>
</tr>
<tr>
<td>Weekly Journals</td>
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</tr>
<tr>
<td>Active Participation</td>
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