

MECH 4366, MECH 4336, MECH 4395
Baja Credit Course
Course Syllabus
Spring 2022

Time and Location: Tuesday & Thursday 10:30 am – 11:50 pm BUSN 321.
Manufacturing location: Machine Shop (M-003)

Instructor: Dr. Omar Cedillos

E-mail: ocedillosb@utep.edu

Office hours: MWTR 9:00 am – 10:00 am

Microsoft Teams by Appointment

Office location: Engineering Bldg., A-114

Office phone: (915) 747-5863

Teaching assistant: Laura Marquez

E-mail: limarquez3@miners.utep.edu or sae@utep.edu

Overview: This 3-credit hour class is a Special Topics/ Principles of Engineering Design/ Senior Design course restricted to students who are involved in SAE Mini Baja. In this class we will work actively in the design and manufacturing of the vehicle.

Grading: Your final grade for this course will be based on the work put forth in each individual design tasks. Weekly team presentations are required, students will be advised presentation dates. A final report is required at the end of the class describing exactly what design tasks each student accomplished and the result and design details. There will be no exams.

Assignments	Percentage
Team-Update Meetings	20%
Attendance	30%
Lab Safety Training	15%
ANSYS Certificate	15%
Final Report	20%
Total	100%

Grade Scale	
100-90%	A
89-80%	B
79-70%	C
69-60%	D
<60%	F

Course Objectives: This course will cover the design and manufacturing process of a mini-Baja car, allowing a hands on and real life work experience.

Final Report: The report will consist of a summary of the student’s individual participation and course learnings. The final project report is due the final week of classes. (Minimum of 3 pages, include images)

Class Attendance Policy

Check in with iClicker as attendance, before leaving give summary of your participation activity.

Department of Mechanical Engineering Safety Statement

The Department of Mechanical Engineering at the University of Texas at El Paso is committed to a model of excellence in education that includes providing a safe and healthy environment for its students, staff, faculty and the general public.

Our goal is to maximize education and research training that can only occur if you, the individual, minimize hazards and risks. This can be done by:

- Providing adequate control of the health and safety risks arising from all activities.
- Consulting with employees on matters affecting their health and safety.
- Providing and maintaining safe laboratories and equipment.
- Ensuring safe handling and use of substance.
- Ensuring all employees are competent to do their task and have adequate training; and
- Maintaining clean, safe, and healthy working conditions

To allow student to manufacture, complete EH&S lab safety training
<https://www.utep.edu/ehs/training.html> OR search “UTEP lab safety training”

The **Laboratory Safety class** provides information for individuals working with hazardous or reactive chemical and or physical hazards such as energized equipment, compressed gasses, open flames, and cryogenes. The class covers the methods to prevent or minimize exposure or injury via the use of engineering controls, work and administrative controls, and personal protective equipment.

First Name * Peter	Last Name * Pete	Your email address * PPete@miners.utep.edu
Department * Mechanical Engineering	Lab Professor / Supervisor * Omar Cedillos	Fill in with YOUR information
Please select an upcoming training courses *		

COVID-19 Precautions

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

Harassment Policy

The department has a zero-tolerance policy for harassment. Engagement in any behavior considered harassment will be reported to the proper authorities. In addition to generally understood forms of harassment, the department also treats the following behavior as harassment:

- Repeated emails and/or calls regarding subjects that have already been addressed. Once a decision has been made or a question answered, a student who continues to ask the same question will be given a warning by the recipient of the email/call. If the student continues, the behavior will be reported. Questions that seek understanding of course material are not harassment; but repeated questions about a grade or an administrative decision are.
- Grades are NOT negotiable, ever. If you believe a grading mistake has been made, you must follow the process described in the UTEP catalog. Any request for a grade elevation that is NOT based on a mistake is considered harassment and will be reported immediately.
- Remaining in an office after the occupant requests you leave is considered harassment and potentially threatening. You will be reported immediately without warning and depending on the severity, may be reported to law enforcement.
- Similar behavior towards department staff, and student advisors will also be treated as harassment, including persistent phone calls, emails, and badgering. Department staff and student advisors are there to help students, and should be treated with due respect.

Reasonable Accommodation Policy: If you have a disability and need classroom accommodations, please contact the Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.