

## **ENG 195-501 Introduction to Engineering**

**Instructor: Walter Gill email: [wgill1@unm.edu](mailto:wgill1@unm.edu)**

**Phone: 505-449-8316 (text message 1<sup>st</sup> pls)**

**Office/meeting/tutoring/problem solving HOURS:**

**ZOOM M 3:30-5:00 and W 3:30-5:00**

**Sect. 501 CRN 58993 Class Time Days Location Online**

**COURSE DESCRIPTION:** The purpose of Introduction to Engineering, ENG 195, is to help students decide whether they would like to pursue an engineering degree through a description of the engineering profession, orientation to engineering education, introduction to the engineering process and to foster camaraderie amongst students with similar interests.

### **STUDENT LEARNING OUTCOMES:**

With the successful completion of Engineering 195, a student will:

- Understand various engineering fields and the paths to pursue each one.
- Obtain basic skills and learning techniques essential for the successful pursuit of an engineering degree.
- Have an awareness of the importance of mathematics and physics concepts and calculations essential for the successful pursuit of an engineering degree.
- Have gained experience preparing and giving technical presentations.
- Have gained experience with group dynamics and the engineering design process through participation in hands-on exercises and projects.

**EXPECTATIONS:** Students are expected to conduct themselves in a polite, courteous, professional and collegial manner. Please mute your audio mike and close your camera if you need to take a call or otherwise be interrupted during class meetings.

**ATTENDANCE POLICY:** Attendance is based on submitting class assignments on time. If a student misses 2 class assignments in the first three weeks or 3 consecutive class assignments, the student may be dropped from the class. The student bears full responsibility for the material and procedural information covered in class.

### **COURSE MATERIALS:**

**Textbook** is available as inclusive access through Canvas class site.

Title	Author	Publisher	ISBN	Price to Student	Duration
Engineering Your Future	Les L. Leone, William C. Oakes	Oxford University Press	9780190279288	\$41.15	180 days

**Computer access** (laptop, desktop) for attending online meetings and submitting assignments.  
**Software access** to MS Excel, Word, and Power Point.

**IMPORTANT DATES WITH RESPECT TO THIS CLASS:**

All homework assignments must be emailed before the deadline by 5:00 pm.

Team Presentations\*: At the end of each course module.

Last date to drop without a “W”: February 3, 2023

Spring Break: March 12 thru March 19, 2023

Final Projects and Presentations due: TBD

There will be NO Final Exam!

\*Team presentations: The students working as a team will create 15-minute presentations on an assigned topic related to material discussed in each course module. PowerPoints or visuals are required. Be prepared to answer questions. Every student must participate in the live discussion, or via the discussion board.

**GRADING SCALE:** (+ and – also available)

A = 90 - 100 % B = 80 - 89 % C = 70 -79 % D = 60 - 69 % F < 59 %

**ATTENDANCE:** 10%

**CLASS PARTICIPATION:** 20 % **ASSIGNMENTS:** 30 %

**TEAM PRESENTATIONS:** 10 %

**FINAL PROJECT AND PRESENTATION:** 30 %

**Notes:**

CR Credit 72 - 100 % NC No Credit < 72 %

- Grading is subject to change based on activities throughout the semester
- Late assignments will be accepted with a penalty on your grade
- Lowest assignment grade will be dropped
- Plagiarism and cheating will not be tolerated in class

## **SEMESTER DEADLINES**

Instruction Begins January 16, Monday

*Martin Luther King Day Holiday (campus closed)* January 16, Monday

Enrollment Cancellation for non-payment January 27, Friday

Registration Ends – Last Day to Add Courses or Change Sections January 27, Friday

Last Day to Drop for 100% Tuition Refund/Last Day to Drop Without a "W" February 3, Friday

**Tuition and fees for courses dropped after the above deadlines will *Not* be refundable.**

Last Day to Change Grading Options February 10, Friday

Last day to drop a course without a grade February 3, Friday

*Spring Break* March 12, Sunday thru March 19, Sunday

Last Day to Withdraw without Student Services Permission April 14, Friday

Last Day to Withdraw with Student Services Permission May 5, Friday

Last day of instruction May 6, Saturday

Finals Week (Mon-Sat) May 8 - 13

Last Day for Removal of Incomplete grade May 12, Friday

Semester Ends May 13, Saturday

**SUPPORT SERVICES:** The Valencia Campus Library provides a quiet atmosphere for study and is an excellent resource for supplementary materials. Audiotapes and videotapes are available for student use through the library. The Learning Commons and STEM Center offer math & science tutoring at no cost to the student. The Writing Center can provide free help with all written assignments. (For Writing Center appointments email [gillikin@unm.edu](mailto:gillikin@unm.edu) or call 925-8513.) Students who miss tutoring appointments may be denied future appointments.

**UNM EMAIL/CANVAS ACCESS:** All UNM- Valencia students will need a UNM NetID which can be created by going to <http://it.unm.edu/accounts/>. UNM NetID will give you access to the computer labs on campus, Canvas and UNM Email.

**COMPUTER LAB RESPONSIBILITY:** Please be advised that the use of computer labs on UNM properties is governed by "Policy 2500: Acceptable Computer Use" which can be found at <http://policy.unm.edu/universitypolicies/2000/2500.html>. Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

## OTHER IMPORTANT INFORMATION:

**Credit Hours:** This is a three credit-hour course delivered in an entirely online modality over 15 weeks during the Spring 2023 semester. Please plan for a *minimum* of 9 hours per week to learn course materials and complete assignments.

**Connecting to Campus and Finding Support:** UNM has many resources and centers to help you thrive, including [opportunities to get involved](#), [mental health resources](#), [academic support including tutoring](#), [resource centers](#) for people like you, free food at [Lobo Food Pantry](#), and [jobs on campus](#). Your advisor, staff at the [resource centers](#) and [Dean of Students](#), and I can help you find the right opportunities for you.

Instructors across UNM campuses have boosted academic outcomes and positive engagement by drawing on the Student Experience Project—a UNM-tested and research-based approach to building an inclusive classroom. You can find SEP practices in the [SEP Resource Hub](#), including information in the [First Day Toolkit](#) on designing a welcoming and equitable syllabus.

**Accommodations:** UNM is committed to providing equitable access to learning opportunities for students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact Accessibility Resource Center at [arcsrvs@unm.edu](mailto:arcsrvs@unm.edu) or by phone at 505-277-3506.

**Respectful and Responsible Learning:** We all have shared responsibility for ensuring that learning occurs safely, honestly, and equitably. Submitting material as your own work that has been generated on a website, in a publication, by an artificial intelligence algorithm, by another person, or by breaking the rules of an assignment constitutes academic dishonesty. It is a student code of conduct violation that can lead to a disciplinary procedure. *Please ask me for help in finding the resources you need to be successful in this course. I can help you use study resources responsibly and effectively.* Off-campus paper writing services, problem-checkers and services, websites, and AIs can be incorrect or misleading. Learning the course material depends on completing and submitting your own work. UNM preserves and protects the integrity of the academic community through multiple policies including policies on student grievances (Faculty Handbook D175 and D176), academic dishonesty (FH D100), and respectful campus (FH CO9). These are in the *Student Pathfinder* (<https://pathfinder.unm.edu>) and the *Faculty Handbook* (<https://handbook.unm.edu>).

**Title IX Statement:** Our classroom and our university should always be spaces of mutual respect, kindness, and support, without fear of discrimination, harassment, or violence. Should you ever need assistance or have concerns about incidents that violate this principle, please access the resources available to you on campus. Please note that, because UNM faculty, TAs, and GAs are considered "responsible employees" any disclosure of gender discrimination (including sexual harassment, sexual misconduct, and sexual violence) made to a faculty member, TA, or GA must be reported by that faculty member, TA, or GA to the university's Title IX coordinator. For more information on the campus policy regarding sexual misconduct and reporting, please see: <https://policy.unm.edu/university-policies/2000/2740.html>.

**COVID-19 Health and Awareness:** UNM is a mask friendly, but not a mask required, community. To be registered or employed at UNM, Students, faculty, and staff must all meet

UNM's [Administrative Mandate on Required COVID-19 vaccination](#). If you are experiencing COVID-19 symptoms, please do not come to class. If you have a positive COVID-19 test, please stay home for five days and isolate yourself from others, per the [Centers for Disease Control \(CDC\) guidelines](#). If you do need to stay home, please communicate with me; I can work with you to provide alternatives for course participation and completion. UNM faculty and staff know that these are challenging times. Please let me, an advisor, or another UNM staff member know that you need support so that we can connect you to the right resources. Please be aware that UNM will publish information on websites and email about any changes to our public health status and community response.

**For Military-Connected Students:** There are resources on campus designed to help you succeed. You can approach any faculty or staff for help with any issues you may encounter. Many faculty and staff have completed the GREEN ZONE training to learn about the unique challenges facing military-connected students. If you feel that you need help beyond what faculty and/or staff can give you, please reach out to the Veterans Resource Center on main campus at 505-277-3181, or by email at [vrc@unm.edu](mailto:vrc@unm.edu). The Veterans Coordinator at UNM-Valencia is in the Student Services Office, at 505-925-8560.

**Land Acknowledgement:** Founded in 1889, the University of New Mexico sits on the traditional homelands of the Pueblos. The original peoples of New Mexico Pueblo, Navajo, and Apache since time immemorial, have deep connections to the land and have made significant contributions to the broader community statewide. We honor the land itself and those who remain stewards of this land throughout the generations and acknowledge our committed relationship to Indigenous peoples. We gratefully recognize our history.

**Citizenship and/or Immigration Status:** All students are welcome in this class regardless of citizenship, residency, or immigration status. Your professor will respect your privacy if you choose to disclose your status. As for all students in the class, family emergency-related absences are normally excused with reasonable notice to the professor, as noted in the attendance guidelines above. UNM as an institution has made a core commitment to the success of all our students, including members of our undocumented community. The Administration's welcome is found on our website: <http://undocumented.unm.edu/>.