

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College -1401 College Avenue, Box 5, Levelland, TX 79336, 806-894-9611.

CAMPUS CONCEALED CARRY - Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations, please refer to the SPC policy at: (http://www.southplainscollege.edu/human_resources/policy_procedure/hhc.php). Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

DIVERSITY STATEMENT

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

NON-DISCRIMINATION STATEMENT

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TITLE IX PREGNANCY ACCOMMODATIONS STATEMENT

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact Chris Straface, Director of Health and Wellness at 806-716-2362 or email cstraface@southplainscollege.edu for assistance.

COURSE PURPOSE

This course is designed to develop the motivation, study habits, and problem solving skills necessary for success as a freshman engineering student. Students are introduced to the opportunities and challenges offered by a career in engineering. They also gain experience in the application of basic computer tools (e.g., Excel and MATLAB) to analyses typical of engineering. Finally, students develop an understanding and appreciation of the design process and the open-ended problems found in the practice of engineering.

COURSE OUTCOMES:

Upon completion of this course, students should have:

1. An elementary knowledge of the disciplines in engineering, especially the undergraduate programs and extracurricular opportunities available
2. A basic understanding of and experience in the steps and techniques of engineering design
3. Emerging skills in written and/or oral communication related to engineering design
4. Introductory skills in teamwork with peers
5. Preliminary development of the habits of mind that engineering study and practice require
6. Summarize and give examples of the ethical and professional issues characteristic of an engineering career
7. Apply Microsoft Excel and Mathworks MATLAB to engineering analyses*

* Time permitting