

ENGR 100
Intro to Engineering
Units: 1
Instructor: Arthur Gerwig
Email: agerwig@palomar.edu (put Engr. 100 in subject line)
Office: NS247

COURSE DESCRIPTION:

Engineering 100, Introduction to Engineering, is intended to provide an overview of the engineering profession, and an introduction to the methods and skills utilized by successful engineering students as well as successful practicing engineers.

How do you expect to get good grades in difficult classes if you're not sure how to go about it? We'll study academic success strategies, learning processes, problem solving techniques, communication skills, engineering ethics, decision making methods, and other vital topics. There will be guest lecturers featuring successful engineers from different fields.

TEXT:

Wright, Paul H., Introduction to Engineering, 3rd Edition, Wiley

JOURNAL:

All students are required to keep a notebook. The notebook must be a bound notebook. 3-ring binders and/or spiral notebooks are not permitted. The notebook must be brought to class every day, no exceptions. All notes are to be taken in this notebook, which will be turned in toward the end of the semester.

Keeping a lab book is essential to good engineering. The following guidelines should be followed in generating a successful book.

- All pages are numbered.
- Always write in ink.
- Sign and date each page. (Multiple times if more than one date is covered on that page.)
- If a correction is to be made, cross out the part to be omitted neatly with one line so your previous words/work remains legible.
- Write and draw legibly.

GRADES:

Grades are determined by your attendance and participation in class, and from the thoroughness and quality of your journal. (Thoroughness: notes taken and recorded from every class session; quality: clarity of notes, relevance to topics, comments and suggestions).

In addition, there is a 'research paper' and presentation/discussion requirement. Only original work will be accepted.

Make sure you bring your text and journal to every class meeting!

Student Learning Outcome

[What's a Learning Outcome?](#)

Student learning outcomes are general skills, knowledge, or masteries which students are expected to have after completing a course or program of study. The faculty responsible for a course or program get together and decide what overall qualities or abilities a successful student should have after completing a course or program; those become the student learning outcomes. Faculty do assess their outcomes; that is, they find a way to determine if their students are achieving those desired outcomes. However, these assessments are not necessarily part of the students' grades in the courses.

Engr 100

Successful students will generate a professional journal while completing the course. The journal will follow the engineering standard format, and will require entries during every scheduled class meeting.

Successful students will write a research paper on a major accomplishment or disaster as a consequence of engineering in their selected major.