Engineering 100, Engineering Seminar

Dr. Tate Wilson

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Office: Charles Street Hall 208
Office Hours: MWF, 9:20 - 10:30 AM in Rankin 101, or by appointment.
Class Schedule: W, 12 - 1:10 PM
Classroom: PT108
Credits: 1

Required Materials:

- A strong interest in engineering
- The love of learning
Overview: New engineering students will be given opportunities to develop and improve problem solving, computer literacy and study skills to maximize their chances for success in their university careers and prepare them for subsequent engineering courses. Topics include: making the transition from high school to university; time management; exploration of the engineering disciplines, learning styles, introduction to computer skills including spreadsheets, word processing and presentation software; engineering ethics; introduction to engineering methods.

Course/Learning Objectives:

1. Students develop perspectives on the practice of engineering and the education and training of engineers.
2. Students develop skills for collaboration and working in teams.
3. At conclusion of the course the student must demonstrate the ability to:
   - Describe and distinguish between various engineering disciplines and roles
   - Explain an engineering disaster of historical significance
   - Pose an ethical dilemma likely to be confronted in their careers and reason through more than one plausible resolution to the dilemma
   - Present results from an elementary data analysis such as a polynomial curve fit or descriptive statistics in Excel using graphics

Schedule: We will have several guest speakers throughout the semester, dates to be determined. Attendance is very important because there will be reports required covering the content of each speaker’s presentation. The last two class sessions, as well as the final exam session (Wednesday, December 20, 11:00 am), will be used for student presentations of their research project.

Assessment: Participation is the largest component of this course. However, there will be several written reports and oral presentations through the semester. These will be judged on improvement, and constructive incorporation of feedback from both the instructor and the class.

Academic Integrity: The Carroll University Academic Integrity Policy is located in the student handbook: https://my.carrollu.edu/ICS/icsfs/Student_Handbook_14-15_Updated
Please familiarize yourself with it. Carroll University emphasizes that students have an obligation to conduct their academic work with honesty and integrity. All acts of academic misconduct are serious. If you have any questions about appropriate citations, please ask.

Accommodations: Students with disabilities who may need accommodations or any student considering obtaining documents should make an appointment with the Walter Young Center (262-524-7621) no later than the first week of class.

*The instructor and the University reserve the right to modify, amend, or change the syllabus (course requirements, grading policy, etc.) as the curriculum and/or program require(s).*