GGC5006 Ethics in Engineering and Research

Lecture # 0

Introduction

Logistics

- Class

  Monday, 7:00 – 8:50 pm , 一教125

- Instructor

  A/P Aung Ko Ko Kyaw (Alex)

  Email: aung@sustech.edu.cn

  Office: 547 Engineering Building, South Tower

  Tel: 8801 8531

- Teaching Assistant

  邱森烨（QIU Senye),12332231@mail.sustech.edu.cn

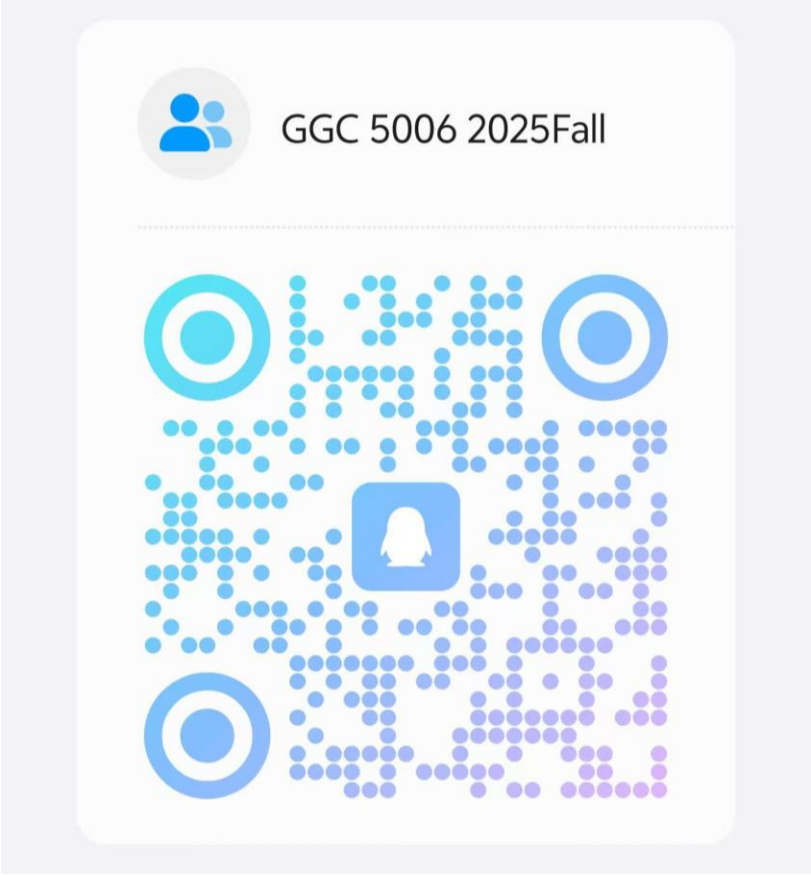
  谢昊瑜（Xie Haoyu), 12432644@mail.sustech.edu.cn

  陈以恒（CHEN Yiheng),12332555@mail.sustech.edu.cn

Lecture notes, reading materials, videos, and assignments are uploaded to blackboard.

Prerequisites: NIL

Course QQ Group



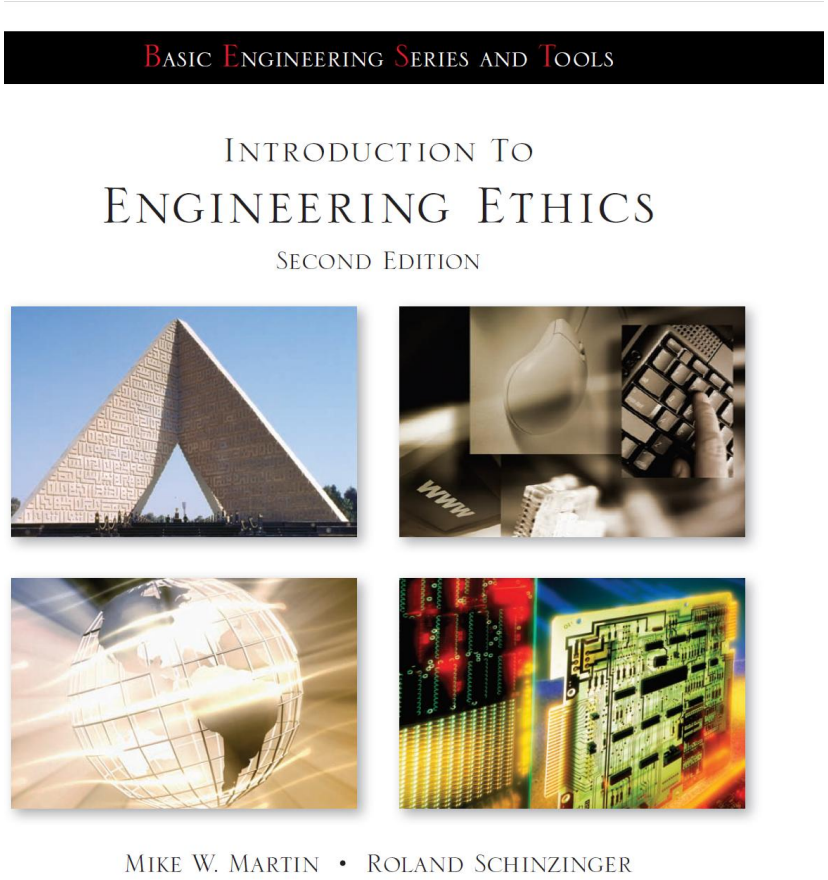
Course Objectives

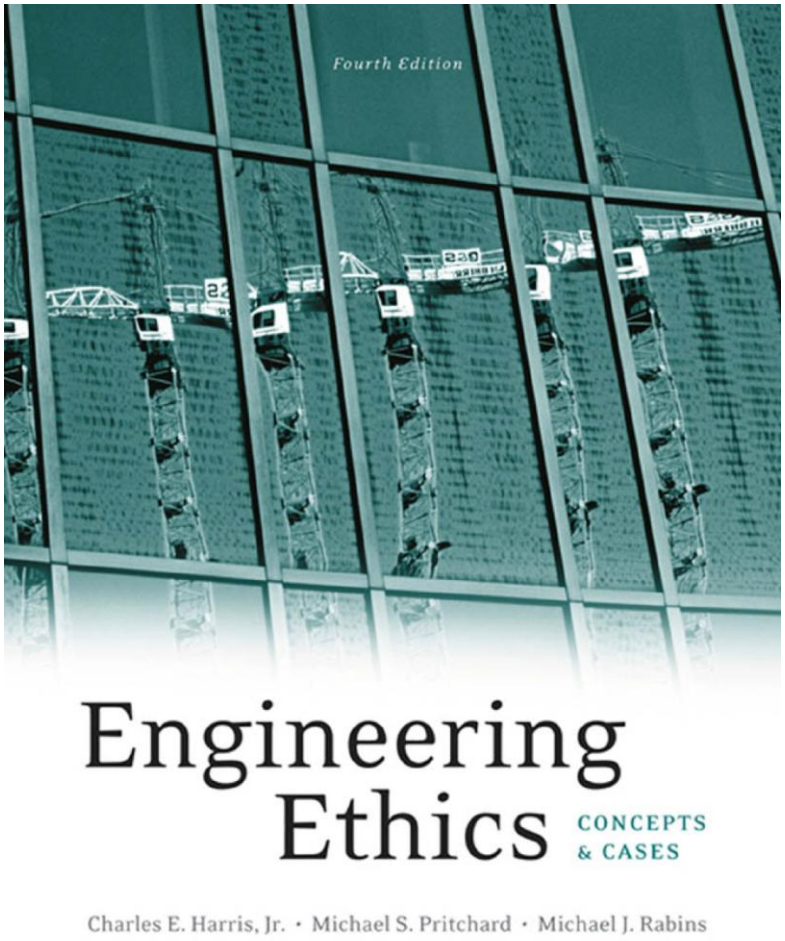
- To provide ethics training to graduate students
- To be familiar with discussion and methods for developing ethical approaches to engineering research and applied projects
- To be aware of contemporary issues in engineering and research ethics, such as professional ethics, environmental/human/ animal protection, intellectual property rights, AI ethics, research integrity, and ethics in publication

Course Contents

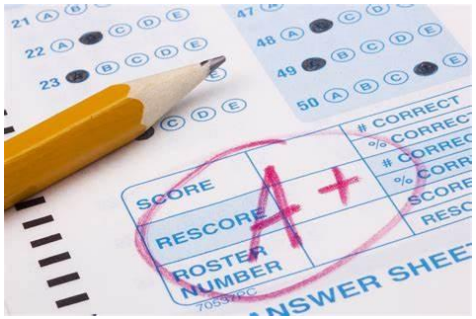
- Professionalism for Graduate Students
- Introduction to Ethics
- Codes of Ethics, Whistle Blowing, Case Study Methodology
- Safety and Health Issues
- Intellectual property
- Practice of Engineering
- Ethics in Research and Publication
- Research Method and Writing

Reference Books





Grading



Assignments (60%), Group Project (Presentation) (20%), Quiz (10%), Class participation (10%)

Quiz – during week 9

Presentation – week 14-15

No Exam!

Why this course?

- Provide general knowledge to an engineering student
- Easy and fun (take a break from complicated engineering subjects)
- Easy to get high score (> 80% got the grade B+ and higher)

Tips for high score

- Actively participate in the class
- Submit the assignments on time; late submission will be penalized
- Assignment score is proportional to your effort.
- Direct copying from the AI answer in the assignments will be penalized. The usage of AI should be only for enhanced learning and brainstorming