**MONTGOMERY COLLEGE, ROCKVILLE**

**Department of Engineering and the Physical and Computer Sciences.**

**ENES 104 – Introduction to Engineering Professions**

Syllabus

**COURSE DESCRIPTION: ES 104 - 1 Credit**

An introduction to the profession of engineering; guidance in the study of engineering and the fields of engineering, ethical responsibilities of engineers, and engineering hands-on activities. The course will provide information useful for making decisions in engineering fields of study and careers. Ethical and legal aspects of the engineering profession will be discussed. Workshops for resume writing, participation in the engineering club, and field trips may be required.

Assessment Level(s): ENGL 101/ENGL 101A, MATH 093/MATH 096, READ 120.

**INSTRUCTOR:** Dr. Uche Abanulo

**CLASS MEETINGS: Times:** Thursdays, 3pm – 4:30pm

**Course Locations:** SC 412

**OFFICE HOURS:** Courses: MW 11:00am – 12:30pm;

Advising Priority: MW 12:30pm – 1:30pm

**OFFICE LOCATION** Room 436j

**TELEPHONE** 240-567-4120;

**e-mail:**  uche.abanulo@gmail.com [Uchechukwu.Abanulo@montgomerycollege.edu](mailto:Uchechukwu.Abanulo@montgomerycollege.edu)

**WEBPAGE:** drabanulo.com

**TEXT:** “Engineering Your Future – A Brief Introduction to Engineering” by W. Oakes, et al. Published by University Press.

**DEPT. WEBSITE:** http://www.mc.cc.md.us/Departments/phengrv/

**COURSE CONTENTS**

Upon completion of this course, the successful student should be able to:

1. Explain the role of the engineer in contemporary society.
2. Explain different engineering disciplines.
3. Explain professional ethics in engineering and how to take responsibility when ethical issues arise in engineering practice.
4. Write an effective resume for future use.
5. Become acquainted with various professional engineering societies such ASME, IEEE, AIChE, and ASCE and get involved in the engineering activities.
6. Plan, study, and prepare for a career in engineering.
7. Explain the current state of engineering applications from faculty and practicing engineers through seminars and field trips.
8. Develop a list of engineering resources for practice, research, and employment.

**COURSE REQUIREMENTS AND GRADING PROCEDURES:**

|  |  |
| --- | --- |
| **Point distribution will be as follows.  Description** | **Total Points** |
| EYF Profile Presentation/Report | 20% |
| Personal Study Plan | 10% |
| Personal Statement | 10% |
| Academic Plan | 15% |
| Abstract of Seminars | 10% |
| Outreach/Research Project and Report | 10% |
| Attendance | 25% |
| Total | 100 |

Final grades will be assigned as follows:

A 90% - 100%

B 80% - 89%

C 70% - 79%

D 60% - 69%

F 0% - 59%

**Withdrawal**

Please check MyMC for YOUR Specific Refund Deadlines

**ATTENDANCE:**

Attendance is Mandatory in this course. Repeated absences will adversely affect your grade and performance. Lateness exceeding 15minutes is considered absence.

**Labs:**

Labs involving Creo and Excel will be assigned. Penalties will be given for late submissions up to a given period.

**Students with Disabilities Statement:**

We are committed to accommodating students with disabilities. If you are a student with a disability and need reasonable accommodations, please contact the Office of Student Support Services.

#### EXAM MAKE-UP POLICY

1. Missing an exam is a very serious matter, and notice of the necessity to miss an exam must be discussed with the instructor and arrangements made for a make-up time.  **No make-up exams will be given without prior arrangements. Illness excuses need to be verified by a doctor’s note. An instructor is under no obligation to give a make-up exam or to give the exam missed as the scheduled make-up exam. Normally, make-up exams will be harder than the original.**
2. In special circumstances, such as a long-term illness, contact me to see about make-up arrangements.

#### Academic Dishonesty

Any student caught guilty of academics dishonesty fails this course automatically.

1. Examples of Academic Dishonesty:
   1. Exchanging information during an examination or copying from another’s paper.
   2. Exchanging a calculator during an examination or quiz.
   3. Using “crib sheets” or any other unauthorized aids or materials during an examination.
   4. Dishonesty obtaining, using or possessing copies of an examination or providing or receiving information contained therein.
   5. Completing an examination in the name of someone else.
   6. Plagiarizing, either by submitting another’s paper as one’s own work or by including in one’s work passages of another author without giving due credit, i.e., quoting or paraphrasing without proper citation of source.
   7. Submitting another’s project, written or otherwise, and passing it off as one’s own.
   8. Any other act of attempted deception or offer of property or favors designed to affect the evaluation of academic performance.

**Other Issues:**

* + 1. Please turn your cell phones off before entering the classroom. Students who disrupt the classroom with their cell phones will be penalized.
    2. Tardiness will not be tolerated in the classroom. If you are over 5 minutes late to class, please kindly sign the “Book of Excuses” before getting to your seat.
    3. NO EATING or DRINKING is allowed in CLASS. Please put away all your food or drinks before entering the classrooms.
    4. Disorderly students may be politely asked to leave the classroom.

**INCLEMENT WEATHER PROCEDURES:**

Check the college website. Do not assume that Montgomery College is closed if the county public schools are. Announcements will be made beginning at approximately 6:30 a.m. through 9:00 a.m. for day classes. Announcements for the closing of evening classes will be made beginning at approximately 4:00 p.m. or earlier if possible. When the College is closed, all activities will also be canceled unless an announcement is made to the contrary. Announcements will also be made on weekends if the college must be closed.