

**Instructor:** Dr. Seung-yun Kim | AR 151 | 609-771-3443 | [www.DrSeungKim.com](http://www.DrSeungKim.com) | [kims@tcnj.edu](mailto:kims@tcnj.edu)

**Office Hours:** Mon. 9:30–10:50AM, Thur. 2:00–3:20PM, or by appointment  
Open Door Policy: if the door is cracked open and it's ok to knock.

**Classroom:** AR 136

**Course Description:**

The course provides an introduction to the engineering profession. Students are provided with an orientation to the program as well as the engineering specializations offered by the department. Areas of study include academic success strategies, time management, and the development of skills needed for successful group work. (graded P/U)

**Required Textbook:**

Engineering Your Future, Eighth Edition, by W. Oakes and L. Leone, Oxford Press, 2015. ISBN: 978-019-9348015

**Course Requirements:**

Students are required to attend all lectures and complete all homework assignments.

- 1) Attendance is required for all classes. If absence is necessary due to illness or emergency, please contact the instructor **prior to the class meeting time** via email.
- 2) Homework will be posted on Canvas and must be handed in **HARD-COPY** at the beginning of the class period. **NO LATE HOMEWORK WILL BE ACCEPTED.** If you know you will be unavailable, make some other arrangement to submit. Early submission encouraged (hard-copy). All homework must conform to the following standards:
  - a. All assignments must be done on 8.5" x 11" paper. Multiple pages must be stapled unless otherwise directed.
  - b. All assignments must include a heading in the upper right hand corner with the student's name, assignment number, due date, and course code with the section number (e.g. ENG 095 – 01).
  - c. All work must be neat and legible and include diagrams as needed.
  - d. All written assignments should be completed using Microsoft Office or equivalent software.
  - e. **NO ELECTRONIC SUBMISSION WILL BE ACCEPTED.**

**Course Purpose & Learning Goals:**

The Objectives of the Course are to:

1. Foster and support students' academic success.
2. Help students gain information about the engineering profession and the majors offered.

**Grading:**

Students will be evaluated on their performance based on participation (attendance) and homework assignments. There will be no exams in this class. This course is graded as Pass (P) or Unsatisfactory (U).

Students are required to participate in all classroom discussions and activities, therefore attendance is required – an unexcused absence will result in an unsatisfactory grade. Excused absences will be granted only prior to the class meeting time. For emergency situations where an excused absence is not possible, the student will need corroborating evidence of the emergency.

There are seven homework assignments and other activities required in this course and the students need to accumulate at least 90 points (~70%, out of ~125 points) to pass the course.

Each homework assignment will be graded on the following scale:

- 13 points: Extraordinary results
- 10 points: Satisfies requirements
- 7 points: Minor (one) mistakes
- 3 points: Does not completely satisfies requirements
- 0 points: No submission or four or more mistakes

### **Attendance**

Every student is expected to participate in each of his/her courses through regular attendance at lecture and laboratory sessions. It is further expected that every student will be present, on time, and prepared to participate when scheduled class sessions begin. At the first class meeting of a semester, instructors are expected to distribute in writing the attendance policies which apply to their courses. While attendance itself is not used as a criterion for academic evaluations, grading is frequently based on participation in class discussion, laboratory work, performance, studio practice, field experience, or other activities which may take place during class sessions. If these areas for evaluation make class attendance essential, the student may be penalized for failure to perform satisfactorily in the required activities. Students who must miss classes due to participation in a field trip, athletic event, or other official college function should arrange with their instructors for such class absences well in advance. The Office of Academic Affairs will verify, upon request, the dates of and participation in such college functions. In every instance, however, the student has the responsibility to initiate arrangements for make-up work.

Students are expected to attend class and complete assignments as scheduled, to avoid outside conflicts (if possible), and to enroll only in those classes that they can expect to attend on a regular basis. Absences from class are handled between students and instructors. The instructor may require documentation to substantiate the reason for the absence. The instructor should provide make-up opportunities for student absences caused by illness, injury, death in the family, observance of religious holidays, and similarly compelling personal reasons including physical disabilities. For lengthy absences, make-up opportunities might not be feasible and are at the discretion of the instructor. The Office of Academic Affairs will notify the faculty of the dates of religious holidays on which large numbers of students are likely to be absent and are, therefore, unsuitable for the scheduling of examinations. Students have the responsibility of notifying the instructors in advance of expected absences. In cases of absence for a week or more, students are to notify their instructors immediately. If they are unable to do so they may contact the Office of Records and Registration. The Office of Records and Registration will notify the instructor of the student's absence. The notification is not an excuse but simply a service provided by the Office of Records and Registration. Notifications cannot be acted upon if received after an absence. In every instance the student has the responsibility to initiate arrangements for make-up work.

TCNJ's attendance policy *is available on the web:*

<http://policies.tcnj.edu/policies/digest.php?docId=9134>

### **Academic Integrity Policy**

*Academic dishonesty is any attempt by the student to gain academic advantage through dishonest means, to submit, as his or her own, work which has not been done by him/her or to give improper*

aid to another student in the completion of an assignment. Such dishonesty would include, but is not limited to: submitting as his/her own a project, paper, report, test, or speech copied from, partially copied, or paraphrased from the work of another (whether the source is printed, under copyright, or in manuscript form). Credit must be given for words quoted or paraphrased. The rules apply to any academic dishonesty, whether the work is graded or ungraded, group or individual, written or oral.

- TCNJ's academic integrity policy is available on the web:  
<http://policies.tcnj.edu/policies/digest.php?docId=7642>

### **Americans with Disabilities Act (ADA) Policy**

Any student who has a documented disability and is in need of academic accommodations should notify the professor of this course and contact the Office of Differing Abilities Services (609-771-2571). Accommodations are individualized and in accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1992.

- Disability support services information is available on the web:  
<http://differingabilities.pages.tcnj.edu>
- TCNJ's Americans with Disabilities Act (ADA) policy is available on the web:  
<http://policies.tcnj.edu/policies/digest.php?docId=8082>

### **Tentative Schedule**

Updated course schedules and assignments are on the web at: <http://www.DrSeungKim.com>

#	Week	Class Topic	Reading	Homework Due	Notes
1	Aug. 31	L01: Welcome & Introduction	Ch.1 History of Engineering		
2	Sept. 7	L02: Ch. 1,2&3	Ch.6 Succeeding in Classroom	TakeHomeQuiz	Icecream Social
3	Sept. 14	L03: Ch. 6	Ch.3 A Statistical Profile of the Eng. Profession	HW 1 (Ch. 1&2)	
4	Sept. 21	Engineering Majors 1	Ch.2 Engineering Majors	HW 2 (Notetaking)	Dept Presentation
5	Sept. 28	Engineering Majors 2	Ch.18 The Campus Experience	HW 4 (Ch.6)	Dept Presentation
6	Oct. 5	L04: Ch. 6 (cont.)	Ch.4 Global and International Engineering	HW 5 (Ch.3&4)	FE Exam Workshop
7	Oct. 12	L05: Teaming	Ch. 20 Engineering Work Experience	HW 6 (Ch.6)	
8	Oct. 19	L06: Policies	Ch.14 Ethics and Engineering	HW3 (Resume)	
9	Oct. 26	L07: Ch.14	Ch.5 Future Challenges	HW 7 (Ethics)	Reg. Workshop
10	Nov. 2	L08: Ch.3			

**The instructor reserves the right to change any portion of this syllabus whenever necessary. In the event that this action becomes necessary, students will be notified in a reasonable and timely fashion.**