



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Introduction to Engineering

Spring 2014

Instructor: Dr. Goker Tuncol

MEETS: Tuesdays only at 12:00-12:50 PM

(ITEM: 4100)



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Contact Information

Instructor: Dr. Goker Tuncol

OFFICE: ST 121

OFFICE HOURS: See my schedule in Canvas(under Admin folder) or by appointment

email: gtuncol@olympic.edu

Office Hours: I will keep posted office hours to the extent possible. I will make every effort to inform you of variations in office hours. You will need to make an appointment to meet with me outside of office hours.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Course Web Page

I will be using the **CANVAS** Learning Management System for this course.

To access Canvas, click on the link:

<https://olympic.instructure.com/login>

Your log in is your Student ID number, and your password will be the first six letters of your last name. If you have fewer than six letters, then you will start over at the beginning of your last name. Examples:

- Ferguson = fergus
- Smith = smiths
- Hall = hallha



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Course Web Page

CANVAS: <https://olympic.instructure.com/login>

Use this site to access:

1. The syllabus
2. The calendar
3. Lectures
4. Course Announcements
5. Etc.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Student Email:

I communicate with students through your OC email account. Please check email daily. OC automatically provides email accounts when students register and pay their tuition and fees.

I **will not** communicate with you using your personal home email accounts.

For more information about your OC student email account see the syllabus or go to:

<http://www.olympic.edu/Students/StudentEmail/>



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Inclement Weather

CLOSURE POLICY:

Information on campus closure may be found at:

<http://www.olympic.edu/Campuses/AboutOC/OCNews/snow.htm>

My policy is to be on campus, when possible, if the campus is open.

You may sign up for email and/or text alerts at:

www.olympic.edu/alerts



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Course Description

Upon successful completion of this course, you will be able to:

1. Convey to some other person a broad notion of the nature of work an engineer does.
2. Discuss the differences between the primary fields of engineering.
3. Clearly present the reasons why you are currently leaning toward one particular field of engineering.
4. Set goals for your education and career.
5. Demonstrate an understanding of the academic requirements of the engineering degree of your choice.
6. Demonstrate an understanding of the engineering education process.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Course Description

7. Demonstrate an understanding of the role of good communication skills (oral, written, graphical and electronic) in engineering.
8. Demonstrate an understanding that engineering is a lifelong learning process.
9. Implement academic success strategies (such as: time management, study techniques and study groups) necessary to allow you to achieve at the highest level you can.
10. Apply concepts of personal development to your life situation.
11. Demonstrate an understanding of the need to work effectively as an engineering team member.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Textbook

Text: Studying Engineering, A Road Map to a Rewarding Career, Raymond B. Landis, 4th Edition

Assignments: We cover selected chapters in the text. Read the text before class.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Policies

This is a one credit, Pass/No Credit, class. To receive the passing grade you must:

- **Attend every class.** *It is expected that you will attend every class and join in the discussions (attendance will be taken).* **One unexcused absence, or more than 2 excused absences, will result in a No Credit grade for this class.**
- I am aware that life happens and you may need to miss a class. Absences will be excused on an emergency basis only. Missing class because you are overloaded or have misplaced your priorities does not constitute an emergency. To receive an excused absence, you **must** talk to me in advance of the absence, **or** email me **prior** to start of class on the day you are absent. You are responsible to learn the material you miss.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Policies

- **Submit a two-page (minimum) reflection paper by Tuesday, June 10th, 2014 at 12:00 PM in ST 103.** Your paper will discuss the reasons behind your choice of careers and the steps you will need to take to succeed. The format is discussed on the next slide.
- Meet with an Engineering Faculty Advisor (**Dr. Jeff Brown, or Linnea Hess**) to work out a plan of study for your Associate of Science degree. **You must turn in a copy of your [Ed Plan](#) signed and approved stapled to your reflection paper.**



Engineering Faculty Advisors

- *Krista Beer, SEM Advisor - O: HSS 203A*
(360)-475-7743 , kbeer@olympic.edu
- *Prof. Jeff Brown – Science Technology Rm 113*
(360) 475-7738, jjbrown@olympic.edu
- *Prof. Linnea Hess - Science Technology Rm 214*
(360) 475-7727, lhess@olympic.edu
- *OC Engineering Web site:*
<http://www.olympic.edu/Engineering>



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Reflection Paper Format

The paper must be typewritten, single-spaced, 12-point font, 1 inch margins all sides, and must use acceptable English sentence construction. **The paper must be at least two pages long.**

You must discuss **each** of the following topics:

1. Define, in your own words, the general nature of work done by an engineer,
2. The differences between the seven primary fields of engineering—you must use your own words,
3. Clearly articulate the reasons behind your current choice of engineering field,
4. Present the goals you have set for your education and career, including any life style changes you will make to succeed,
5. Present a plan of study for your engineering education at OC
6. Discuss the four-year school you are currently considering for transfer—discuss why you have chosen that four-year school,
7. The implementation of academic success strategies and personal development in your life situation,
8. The role of good communication in engineering (is it important? why?), and
9. Why is modern engineering done in teams?



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

In class

- **Code of Ethics**
- **Rights and Responsibilities of Professional Conduct**
- **Discrimination**



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

NSPE Code of Ethics

National Society of Professional Engineers (NSPE) Code of Ethics for Engineers

Preamble

Engineering is an important and learned profession. As members of this profession, engineers are expected to exhibit the highest standards of honesty and integrity. Engineering has a direct and vital impact on the quality of life for all people. Accordingly, the services provided by engineers require honesty, impartiality, fairness and equity, and must be dedicated to the protection of the public health, safety and welfare. Engineers must perform under a standard of professional behavior which requires adherence to the highest principles of ethical conduct.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

NSPE Code of Ethics

I. Fundamental Canons

Engineers, in the fulfillment of their professional duties, shall:

- 1. Hold paramount the safety, health and welfare of the public.**
- 2. Perform services only in areas of their competence.**
- 3. Issue public statements only in an objective and truthful manner.**
- 4. Act for each employer or client as faithful agents or trustees.**
- 5. Avoid deceptive acts.**
- 6. Conduct themselves honorably, responsibly, ethically and lawfully so as to enhance the honor, reputation and usefulness of the profession.**



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Engineer's Creed

As a Professional Engineer, I dedicate my professional knowledge and skill to the advancement and the betterment of human welfare.

I pledge. . .

- *To give the utmost performance;*
- *To participate in none but honest enterprise;*
- *To live and work according to the laws of man and the highest standards of professional conduct;*
- *To place service before profit, the honor and standing of the profession before personal advantage, and the public welfare above all other considerations.*
- *In humility and with the need for Divine Guidance, I make this pledge.*

For further information visit the NSPE web site:

<http://www.nspe.org>



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Rights and Responsibilities of Professional Conduct

Professional conduct is the expectation for this class. This entitles each of you to certain rights and binds each of you to certain responsibilities. These include (but are not limited to):

- the right to be treated with respect (professional employees are worthy of respect for no other reason than their status as a professional),
- the responsibility to treat others with respect no matter who they are and how you feel about them,
- the right to be rewarded for exemplary performance,
- the responsibility to perform to the utmost of your capabilities,



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Rights and Responsibilities of Professional Conduct

Professional conduct is the expectation for this class. This entitles each of you to certain rights and binds each of you to certain responsibilities. These include (but are not limited to):

- the right to expect that class will begin and end on schedule and will be worth your time,
- the responsibility to arrive on time and participate to the best of your ability,
- the right to timely feed back on your performance,
- the responsibility to meet all deadlines to the best of your abilities,



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Rights and Responsibilities of Professional Conduct

Professional conduct is the expectation for this class. This entitles each of you to certain rights and binds each of you to certain responsibilities. These include (but are not limited to):

- the right to know if the instructor will be absent,
- the responsibility to inform the instructor of your absence in a timely fashion,
- the right to a clean and orderly work environment, and
- the responsibility to do your best to keep the work environment clean and orderly.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Discrimination

- Gender, race, age and other discrimination or harassment is against the law and is not tolerated in the work place or in this class (remember the legal definition of discrimination or harassment starts with what the other person believes—if it makes them uncomfortable then it is wrong and possibly illegal—it simply is not relevant what you intend).
- Every one has bad days when their treatment of others falls short of desired intent. The legal definition of discrimination or harassment therefore focuses on patterns of treatment.



OLYMPIC COLLEGE

1600 Chester Avenue . Bremerton, WA 98337-1699

ENGR& 100

Discrimination

- If someone is doing something that makes you uncomfortable, you should first talk to that person. If it does not stop, then talk to your manager (the instructor). If the instructor is unable or unwilling to help, you should go to the next level of management (Dr. Mark Harrison, Dean of Mathematics, Engineering, Sciences and Health, 475-7701). Everyone has the right to be free from discrimination and harassment in the work place, and the responsibility to confront it if it happens.