

ENGR 100S Fall Syllabus

Fall 2013	Prof. Lewis Watt	No office,
Tues. 2:30 – 3:20	814.574.0804	Make an appointment
307 Hammond	lwatt20@yahoo.com	I'll find the time and place

ENGR 100S. INTRODUCTION TO ENGINEERING: A seminar providing information about different engineering majors, coping with college life, exploring educational and career goals.

Engineering 100 is a First-Year Seminar designed as an introduction to the field of engineering. More generally, it is about succeeding in engineering, by exploring engineering careers and yourself. The goals are for you to:

1. Learn more about engineering majors at PSU to help you decide which one is best for you, or even if engineering is right for you.
2. Develop success skills including time management and goal setting.
3. Become familiar with some of the resources of PSU, including engineering coop and internships, university learning centers, career services, libraries, and student organizations.
4. Interact with your faculty member and other students.

An important feature of engineering FYS's is the *Passport to Success*. This set of five activity areas is intended to give you an introduction to Penn State, The College of Engineering, tools and resources to help you succeed, provide the to develop relationships with others, and become a more responsible person. We are also using a textbook to further your understanding of engineering, and show you how to become a good engineer.

TEXT: Raymond B. Landis, *Studying Engineering: A Roadmap to a Rewarding Career, Fourth Edition*. Discovery Press, 2013

GRADING:

Engineering Passport: 35%

Textbook Reflection reports: 35%

Class Participation: 15%

Miscellaneous other homework: 15%

Letter grades will be assigned to observed results in each of these areas.

ATTENDANCE:

Class attendance is important for succeeding in engineering. Attendance will be taken at every class meeting, and your final grade will reflect unexcused absences. An email prior to the absence is expected.

PENN STATE PRINCIPLES:

1. I will respect the dignity of all individuals within the Penn State community.
2. I will practice academic integrity
3. I will demonstrate social and personal responsibility.
4. I will be responsible for my own academic progress and agree to comply with all University policies.

RELATED SITES:

- Penn State Principles, <http://www.psu/ur/2001/principles.html>
- Code of Conduct, <http://www.sa.psu.edu/ja/conduct.shtml>
- Academic Integrity, <http://www.psu.edu/ufs/policies.47-00.html#49-20>

CAREER FAIRS:

Fall Career Days, Sept 17-19. Wednesday, September 18 is for internships/Co-op and Thursday is for Engineering students, Bryce Jordan Center, 11:00 – 4:00 pm. Information at: <http://careerfairs.psu.edu/fall/>

There are other, discipline specific, career fairs that you are encouraged to attend. For example, College of Engineering focused career fair information is found at: <http://www.engr.psu.edu/career/upcoming-events.aspx>.

Also check: <http://studentaffairs.psu.edu/career/fairs.shtml>.

GET CONNECTED – STAYCONNECTED

The Fall semester **GetConnected-StayConnected** program is specifically designed for all students enrolled in First-Year Seminars. The purpose of this program is to support first year students' learning about the career planning process and be introduced to the *Career Services* staff and resources.

The 2013 Fall event will occur Thursday, September 26, 9:00 am - 1:00 pm
<http://studentaffairs.psu.edu/career/students/GetConnected.shtml>.

Bank of America Career Services Center (next to the Health Center)
105 Bank of America Career Services Center
University Park, PA 16802
814.865.5131
<http://studentaffairs.psu.edu/career/>.

This program is packed with information, both general and specific to students' individual career interests, including engaging activities, refreshments and giveaways.

WORLD IN CONVERSATION

The *World in Conversation Project* (WinC) is a one-time, 95 minute dialogue about a range of cultural issues. You are required to attend one of these dialogues as a part of this class. WinC employs Penn State students to facilitate these small group discussions, so it should feel like an informal conversation among friends. The facilitators will not tell you what you *should* think; instead, they will ask that you do express what you *actually* think in order for you to candidly discuss these views with the other participants and promote critical thinking. There is nothing you need to do to prepare or to bring with you. Just come ready to set everything else aside and be present in your dialogue.

WinC programs occur *outside* of our regular class time. Most are held in the evenings, although some daytime dialogues are available to accommodate your schedule. One week before the programming for this class begins, you will

receive an email explaining how to register. In order to receive credit, your attendance will be recorded while you are there. But keep in mind, you will not be able to attend the program if you are more than five minutes late. If the door is closed when you arrive, you are late and will need to register for another program.

ENTRANCE TO A MAJOR

Complete information is on the web at:

http://www.engr.psu.edu/AdvisingCenter/StudentActions/sa_majentrance.aspx.

ENGR 100S Plan for Spring 2014 Prof: Lewis Watt lwatt20@yahoo.com, cell: 814.574.0804

Note that this outline will be updated and added to as we proceed through the semester, particularly with other activities and other reading assignments in the text.

Date	Topics	In-class Student Activities	Assignment
Th 1/16	<ul style="list-style-type: none"> • Introductions • Overview of contents to be covered in ENGR 100 • <i>Passport to Success</i> • Career Fair opportunities – how to prepare • Career Fair expectations • Engineering co-op, internship and international opportunities 	<ul style="list-style-type: none"> • Students introduce themselves : name, where from, intended major, why they chose engineering • List reasons for choosing engineering; discuss. Message: more to engineering than just being good at math and science. • Discuss Course content and expectations. 	<i>Purchase the text : « Studying Engineering » Raymond B. Landis</i>
Th 1/23	<ul style="list-style-type: none"> • Goal Setting and study habits • Passport discussions • Resume' discussions 	<ul style="list-style-type: none"> • First round of goal-setting. • Evaluation of study habits, time management, and distractions 	<i>Read PROLOGUE</i>
Th 1/30	<ul style="list-style-type: none"> • GOALS • Setting goals and priorities, continued 	<ul style="list-style-type: none"> • Discuss relationship of short- and long-range goals • http://vimeo.com/3053900 	<i>Read Ch.1, Reply to reflection on page 30</i>
TH 2/6	Study habits and situation	<ul style="list-style-type: none"> • Individuals work on goals & priorities, continued 	<i>Reread Chapter 1, Repeat page 30 Reflection</i>
Th 2/13	<ul style="list-style-type: none"> • Risk, Reward and Rationalizations • 	<ul style="list-style-type: none"> • Discuss individual risk-taking. 	<i>Read Ch. 2, Record Reflections Page 12.</i>
Th 2/20	<ul style="list-style-type: none"> • Money, success, satisfaction, and the engineering degree • Introduce Maslow' concepts • 	<ul style="list-style-type: none"> • Discuss the relationships among money success, satisfaction and self-esteem. • 	<i>Reread Ch 2 Reflections on page 59</i>
Th 2/27	<ul style="list-style-type: none"> • Failure as it effects our lives • 	<ul style="list-style-type: none"> • Failure exercise: What if you fail a course? 	<i>Read Ch 3, Reflection Page 103</i>
Th 3/6	<ul style="list-style-type: none"> • Engineering in the aircraft and test and evaluation environments • 	Ask questions.	<i>reread Ch. 3 reflection on Page 109</i>

Date	Topics	In-class Student Activities	Assignment
Th 3/20	<ul style="list-style-type: none"> • Engineering Ambassador - Overview of Engineering Majors by Industry presentation 	<ul style="list-style-type: none"> • <i>Return Resume's with comments</i> • Critique draft resumes • • Summarize steps in preparing for lectures • Prepare notebook for Cornell note taking 	<i>Attend Career Fair TBD</i>
Th 3/27	<ul style="list-style-type: none"> • TBD 	<ul style="list-style-type: none"> • TBD 	<i>TBD</i>
Th 4/3	<ul style="list-style-type: none"> • Brief presentation on Personality Types 	<ul style="list-style-type: none"> • Ask Question 	<i>Read Ch. 4; Reflection page63 Work on Passports.</i>
Th 4/10	<ul style="list-style-type: none"> • Engineering in the Maintenance environment 	<ul style="list-style-type: none"> • Ask Questions. 	<i>Read Ch. 5; Reflection page116 Work on Passports.</i>
Th 4/17	<ul style="list-style-type: none"> • TBD 	<ul style="list-style-type: none"> • TBD 	<i>Read Ch. 6; Reflection page 145 Work on Passports</i>
Th 4/24	<ul style="list-style-type: none"> • TBD 	<ul style="list-style-type: none"> • TBD 	<i>Read Ch. 7 & 8</i>
Th 5/2	<ul style="list-style-type: none"> • Closing Discussions 	<ul style="list-style-type: none"> • Ask Questions 	<i>Turn-in Passports And Reflection Notebooks</i>

Lewis Watt, 12/12/13

Daily Outline:

<http://vimeo.com/3053900>

<http://goalsetting101.wealthmentality101.com/2011/05/24/goal-setting-videos-lou-holtz-notre-dame-win/>