

PSE 132 / BPE 132: Orientation Seminar Fall 2010

Lecture: W 5:00–6:00 pm (211 Walters)

Laboratory Th 2:00–5:00 pm (as announced)

Instructor

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Course Description: "Introduction to campus resources available to ensure academic success. Introduction to PSE and BPE as a field of inquiry and career path."

This course is designed to introduce students to various aspects of college life and their future career, including information about:

- The programs of study offered in the Department of Paper and Bioprocess Engineering
- The resources available to students at SUNY-ESF and Syracuse University
- The careers available within the paper and bioprocess industries
- Skills needed to successfully complete their program of study and achieve professional success.

The skills and information learned in this class will help students in many of their future courses and in their professional career.

Expected Knowledge: Although this course has no prerequisites, a certain amount of background knowledge is expected for this course. Specifically, each student should have the skills or knowledge listed below.

1. General computer knowledge and skills (how to turn it on, how to start applications, how to log in to laboratory computers...)
2. Internet (how to access the Internet, find web pages, search the web, ...)
3. Email (how to use your student account, send and receive messages, attachments...)
4. Word processor (how to prepare documents, format and print them ...)

Course Outcomes: Every course that a student takes should further his knowledge, building on what was learned previously. By the end of this course, each student should be able to:

1. Explain the requirements and expectations of their program and more fully understand the relationship between an education and a career.
2. Find the campus resources dedicated to helping the student achieve success in their program.
3. Describe the basic aspects of the paper/bioprocess industry.
4. Explore the summer and co-op job opportunities that are available.
5. Discuss the ethical considerations of being an engineer.

Relation to Curricula: PSE 132 and BPE 132 are freshman level courses intended to be taken during your first year of college at ESF. The skills and knowledge learned in this class will help you in future classes and managing your future careers. PSE 132 or BPE 132 is required for all B.S. programs of study in the Department of Paper and Bioprocess Engineering.

Textbook: The text for the course is:

Studying Engineering: A Road Map to a Rewarding Career, Third Edition (2007).
Raymond B. Landis, Discovery Press, ISBN 978-0-9646969-2-1.

The text is available from Syracuse University Bookstore and/or Follett's Orange Bookstore . It is also available (and may be cheaper) from online booksellers such as textbooks.com, amazon.com, and www.bn.com. If you do order the book from an online seller, you should use overnight or express shipping to receive the book in a timely manner. It is expected that most of the text will be covered in the course.

Grading: Grading for the course will be based primarily on attendance, class participation, and timely submission of homework exercises. In general, grading will be as follows:

Class Activity	Points Per Activity	Approximate Total Points
Class attendance	10	160
Homework exercises	5	50
Class participation	20	
TOTAL (approximate)		230

The total number of points will depend on the actual number of class meetings and homework assignments given.

The final letter grade will be based on a curve, but generally 60% is required for a D, 70% for a C, 80% for a B, and 90% for an A.

Wednesday Meetings: 5:00 pm (211 Walters unless noted)

Date	Topic/ Speaker	Faculty Spotlight	Assignment
1-Sep-10	Introduction to PBE G Scott	Scott	Reading: Ch. 1 #1: Resume highlights
8-Sep-10	Resumes G Scott		Reading: Ch. 6 #2: Draft resume
15-Sep-10	Classroom civility/academic integrity Student Life		Reading: Ch. 3
22-Sep-10	From academic to career success Student Life	Doelle	Reading: Ch. 4 #4: Self-improvement
29-Sep-10	Informational resources (110 Moon) J Williamson	Ramarao	Reading: Ch. 2
6-Oct-10	Career Opportunities T Amidon	Amidon	Reading: Ch. 5
13-Oct-10	Understanding industry and careers L Lee	Fieschko	Reading: Ch. 7 #7: SPPF Meeting
20-Oct-10	Advising and registration Student Life	Lai	Reading: Ch. 8
27-Oct-10	Basic Chemical and Fire Safety J Waisel	Bujanovic	
3-Nov-10	Introduction to Engineering Ethics W Amato	Francis	#9: Ethics assignment
10-Nov-10	Summer Mill Reports S Chatterjee	Chatterjee	#10: Course evaluation
17-Nov-10			
24-Nov-10			
1-Dec-10			
8-Dec-10			

Thursday Meetings: 2:00 pm

Date	Topic/ Speaker	Faculty Spotlight	Assignment
2-Sep-10	Tour / Cookout (Walters Lobby)		
9-Sep-10			
16-Sep-10	Resume workshop (309 Baker) G Scott	Fagan	#3: Final Resume
23-Sep-10	Interviewing skills (111 Marshall) G Scott	Appleby	
30-Sep-10	InBev Tour (Stadium Place) S Liu	Liu	#5: Engineers' roles I
7-Oct-10			
14-Oct-10			
21-Oct-10			
28-Oct-10	RockTenn Solvay Tour (Stadium Place) L Fagan		#8: Engineers' roles II
4-Nov-10	Open Advising Session (323 Walters) G Scott/S Liu		
11-Nov-10	Summer Mill Reports (111 Marshall) S Chatterjee		#6: Skills needed
18-Nov-10			
25-Nov-10			
2-Dec-10			
9-Dec-10			

Class Policies

Attendance: Attendance is expected at all class meetings; roll call may be taken at the discretion of the instructor. Students missing a lecture are expected to get the missed material and notes from their classmates. Individual makeup lectures will not be given and lecture notes are not available from the instructor. Reading assignments and homework assignment due dates are given on a separate handout and posted on the course website or announced during class. Lectures begin at 5:00 unless otherwise announced. Students are expected to arrive to class on time. On occasion, lectures will be canceled and the missed class rescheduled.

Computer and Disk Failure: Computer and disk failures are a fact of life in the computer world. You should make multiple copies of all your work so that if there is a failure, your work is not lost. *The failure of a disk, a computer, or other storage media is not an acceptable excuse for late or missing homework assignments or late take-home exams.*

Cell phones: The use of cell phones is not allowed during lectures and other class activities. Cell phones must be turned off or left at home so as not to disturb the other students in the class. The consequences of using a cell phone or a cell phone ringing during class can include one or both of the following:

- The owner of the cell phone will be immediately asked to leave the classroom and may not return during that class period.
- The entire class will be given a quiz.

Quizzes: The instructor reserves the right to give both announced and unannounced quizzes, if necessary, to encourage preparation for class. There will be *no* makeup quizzes. Quiz scores become part of the homework portion of the course grade.

Help on Assignments: The instructor and teaching assistants are very willing to help with the various assignments in the class. However, students must demonstrate that they have made a good-faith effort at solving the problem before consulting with the instructor or teaching assistant. When asking questions, be prepared to demonstrate the efforts that you have made in solving the problem and be prepared to discuss your plan of attack. Statements such as “I don’t understand the problem, please show me how to do it” will probably not be answered. You will be asked about what you do understand about the problem. Questions should be brought to the instructor or teaching assistant well before the due date: Neither the instructor nor the teaching assistant are obligated to make extensive homework consulting time available the day before the due date.

Viruses: Computer viruses are also a fact of life in the computer world. It is the students responsibility to keep their assignments and diskettes virus-free. You should regularly scan your diskettes (and your computer) with up-to-date virus software. All college computers have virus software installed. Assignments handed in or brought in for consultation on infected diskettes or other media will be given a score of 0 for that assignment. Students submitting infected diskettes multiple times will have their *course* grade reduce by one full grade per incident.

Collaboration: You are encouraged to discuss the homework assignments with your classmates. However, each student is expected to hand in their own work. Students handing in substantially similar assignments will have the single grade divided amongst the students.

SUmail Accounts: E-mail will be used extensively as a communication tool in this class. All students will need a SUmail account which is managed by Syracuse University's Computing and Media Services Group. If you already have a SUmail account, you can use it for this course. For more information regarding your official college email account, please see the following website for additional information: <http://its.syr.edu/sucomputing/email.cfm>. If you have trouble accessing your account or have difficulty with using the email system, please refer to the *Help and Support* options on the SU ITS website.

I expect to use a listserver to communicate with the class and to facilitate communication amongst the students. This listserver can use the email address that you have on file with the ESF Registrar. If you do not regularly use this email account, you should check it regularly or have the email from that account forwarded to an account that you do use.

Academic Expectations: Students are expected to conduct themselves in a professional manner at all times. This expectation extends to all course related activities including the use of email and the course listserver. Email communications should be professionally written. The course listserver is to be used for course related communications only. Misuse of email and the course listserver could result in your access to these services being curtailed.