SIE265 - Engineering Management I  
Spring 2016

Instructor: Robert (Bob) Lepore  
Office: Engineering 103  
Phone: 626-4276  
Email: rglepore@email.arizona.edu  
Office Hours: MWF 10:00 -12:00 or by appointment

TA: Eddie Enhelder  
Office: Engineering Room 129  
Email: eaenhelder@email.arizona.edu  
Office Hours: TBD or by appointment

TA: Jen Wu  
Office: Engineering Room 129  
Email: j1ngw@email.arizona.edu  
Office Hours: TBD or by appointment

Designation: Required course in Systems Engineering, Industrial Engineering, and  
Engineering Management.

Description: Engineering Management I (3 units):  
Methods and modern techniques of engineering management analysis for financial  
decision making. Development of income, cash flow, and balance sheet statements.  
Topics include Time value of money, valuation techniques, replacement analysis, and  
project acceptance criteria.

Prerequisites: ENGR 102 and MATH 124 or 125. Students are expected to be  
reasonably proficient with Microsoft Excel.

Note that 4th Edition Textbooks are OK as well as any international  
(soft cover) editions. Note: this text is NOT required but is an excellent reference.

Calculator: You MUST have either a financial calculator (HP -10B or TI BA Plus for  
example) or a calculator that can download financial software from the web such as the  
TI-83, TI-89 or TI nspire. No laptops or PDAs will be allowed for exams.

D2L Course: This class will use web-based D2L (Desire to Learn) as the only means of  
distributing class materials including assignments. All Projects and Homework must be  
uploaded into Dropboxes on or before the due dates. No late assignments will be accepted. Your grades for this course will also be available on D2L. You will need a  
UANet ID to access D2L at the following site: http://d2l.arizona.edu/. You are expected  
to check D2L frequently for class information.
Class Schedule: The Class Schedule is available on D2L. It lists all material to be covered by date and includes references to the textbook chapters and D2L modules. All assignments are listed with their respective due dates. **Note that the Dropbox for each assignment will remain open only until 9AM the day the assignment is due.**

Course objectives: This course introduces students to concepts of economic analysis, profitability, and cost estimation. Specific outcomes include:

1. Understanding concepts of the time value of money.
3. Ability to create financial statements for evaluating Engineering Projects.
4. Ability to determine the economic viability of Engineering Projects.

Grading: The grade for this course will be determined as follows:

60% - Exams
30% Final Exam- Thursday May 12th 10:30 AM – 12:30 PM. **Note: attendance at the final is required.**
30% - Midterms
15% - 1st Midterm Exam- Friday February 19th
15% - 2nd Midterm exam- Monday March 28th

30% - Homework Assignments and Projects
There are 12 assignments due during the semester. Each assignment is equal weight except Project 9 which is worth 1.5x the other assignments. **Note: Honors Students have an extra assignment.**

10% - Quizzes
In addition, there are multiple on-line quizzes. These quizzes are open for two attempts each. Best score is recorded.

Final Grades for this course will be computed as follows:

>90% A
>80% B
>70% C
>60% D
<60% E

I will not raise the percentages required to achieve the above grades. However, I may lower the percentages based on my analysis of class performance.
**Honors Students:**
If you are an Honors student there will be one extra assignment. In addition, we will meet three times together outside of the normal class time. We will choose a mutually agreeable time after classes start.

**Absences Policy:**
Students are responsible for all materials covered during class. This is an Engineering Business course. Therefore, you should consider this class a job and yourselves as employees. As your employer, your attendance is expected. Further, a lot of the material that may show up on exams will be only presented in class.

All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion.

Absences pre-approved by the UA Dean of Students (or Dean's designee) will be honored.

**Class Guidelines:**
All students:
- Check D2L regularly.
- Turn-in assignments by due date/time (allow for D2L “glitches”).
- Treat instructors, speakers and peers with respect.
- Always behave in an ethical manner.
- Students are encouraged to use laptops for note taking and other class activities.
- All students are required to abide by the Student Code of Academic Integrity:
  Student Code of Academic Integrity
- Threatening behavior by students is strictly prohibited. For detailed information see: Threatening Behavior by Students and Disruptive Behavior in an Instructional Setting

On-campus students:
- Arrive on-time, turn off cell phones, beepers, social networks, etc.
- Attend class regularly and participate in class discussions and activities.

Distance Ed students:
- View lectures in a timely manner, preferably within 48 hours of the lecture date.

**Accessibility and Accommodations:**
It is the University’s goal that learning experiences be as accessible as possible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options. You are also welcome to contact Disability Resources (520-621-3268) to establish reasonable accommodations.

Please be aware that the accessible table and chairs in this room should remain available for students who find that standard classroom seating is not usable.

**Note:** The information contained in the course syllabus, other than the grade and absence policies, may be subject to change.