

**Fall 2014**  
**IET3424 Engineering Economy**  
**Course Syllabus for Traditional, Hybrid, Online, and Converged Courses**

**Instructor:** Professor Gregory L. Wiles

**Preferred Email Address:** Use D2L e-mail, or secondly [gwiles@spsu.edu](mailto:gwiles@spsu.edu)

**Office:** M 123

**Phone:** 678-915-7314

**Office hours on-campus:** See course website

#### **How to Contact the Instructor**

The best way to reach me between class periods is using the D2L email. This way I will know what class you are in already. I will reply as quickly as possible to questions sent over e-mail. If you wish to meet with me in person, you can drop by my office during office hours. For online students, I am also willing to meet with you with an ad-hoc GoToMeeting live session during the week if necessary.

#### **Email Response Time**

I commit to answering all emails within 24 hours from the time you first transmit the email, unless I let you know in advance of travel prohibiting me from doing so (or if I have an emergency). This short response time includes weekends and holidays. At times I will send a mass email to the class or an announcement. This will be through D2L Email and alternately with Hornet Mail. I do not know your Yahoo or Gmail accounts so do not expect any mass emails to those accounts. **CHECK YOUR D2L EMAIL & HORNET EMAIL ACCOUNTS FREQUENTLY!**

#### **Course Description**

Students learn the time value of money effect as equivalences for present worth, annual worth, or future worth evaluations. Useful algorithms are presented for investments like bonds, buying a car, or deciding which industrial machine to purchase. Tax deductions, rate of return, cost benefit ratio, return on investment, replacement theory, and economic life will also be examined in the analysis of engineering problems.

#### **Course Learning Outcomes**

Students will be able to:

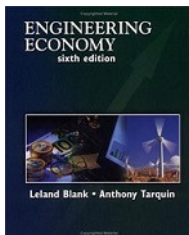
1. Apply economic analysis methods in cost and revenue calculations
2. Utilize current software in the field to create financial analysis spreadsheets in the process of making the most economic selection of equipment and systems
3. Demonstrate effective oral and written communication skills as well as a commitment to timeliness, quality work, and continuous improvement

#### **Course Prerequisites**

- Math 1113 Precalculus
- A working knowledge of Microsoft Excel.

#### **Textbook**

*Engineering Economy*, Blank and Tarquin, 6th Edition,  
 ISBN 0-07-320382-3



#### **Desire2Learn (D2L) Course Web Site**

This course has a D2L course web site for use by registered students. Any class handouts, slides, grades, announcements, and links will be available there, so please get in the habit of checking it often. To log in, go to: <http://spsu2.view.usg.edu>. Your User ID is the same as your email prefix, and initial password is your email password. There are help links on the website too.

### **Course Schedule**

This course will meet on the dates indicated on the Course Schedule as posted on the course homepage. For hybrid students, we will meet once a week physically in a classroom and the remainder of the week you are responsible for viewing video lectures and attempting suggested homework problems. For online students we will also meet once a week but virtually using Wimba with link located on the course home page. The remainder of the week you are responsible for viewing video lectures and attempting suggested homework problems.

### **Exams**

Exams for all students are open-book/notes and online, working alone. The online exam includes a randomized set of multiple choice questions, so no two questions are alike. Your textbook will be allowed mainly due to the factor tables in the back of the book and any resources from the course website. No other help is allowed from others or the Internet. You may have to download Respondus LockDown Browser before taking the exams (instructor's discretion). Sample exams are available for download on the course website before each exam. Students will receive their grade on each exam within one week of the date that they take the exam.

### **Homework**

Generally there is no graded homework assigned, however, there are suggested homework problems on the website along with the solutions. You have no excuse to attempt these problems and get faster at solving them. Don't wait until the exam to practice, you will run out of time! Also the instructor reserves the option to assign homework for a grade.

### **Grading Policy**

Your final grade in this course will be determined using the following weights for each component of this course:

Component	Points	Weight
On-line Exam #1	100	25%
On-line Exam #2	100 + 5 point bonus	25%
On-line Exam #3	100 + 5 point bonus	25%
On-line Exam #4	100 + 5 point bonus	25%
Total (possible)	400 + 15 bonus points + 8 points extra credit	100%

There will NOT be a final exam. If you need an opportunity to increase your average you can answer the test's bonus questions and take the extra credit.

### **Attendance Policy**

1. All students are expected to attend all class sessions beginning with the first class session and continuing all the way through Final Exam Week.
2. Students who miss class for any reason are not exempt from the material covered during the class the student misses.
3. The instructor is not responsible for assisting students catch up on class material when the student is absent from class.
4. Your attendance will not directly impact your grade in this course unless you are absent for a Exam or if you fail to complete an Assignment on time.

5. It should be noted that students who attend class on a regular basis normally perform better on the Assignments and on Exams.

6. However, simply being present in class does not guarantee that the student will receive a high grade or a passing grade in this course.

#### **Calculators/Software**

You will need access to a calculator and/or Excel capable of performing basic engineering and/or financial math functions (available in the computer labs). All exams you will be allowed use of Excel on the classroom computers as well as pocket calculators.

#### **Hybrid or On-Line Course Responsibilities**

Hybrid sessions (-85X) are designed to be one-half classroom attendance and on-half on-line attendance. The online session (-90X) is attended one-half via on-line meeting room software such as Wimba and one-half pre-recorded online video lectures. Both types of classes require the student to view the pre-recorded lecture between any live lectures. It will be the student's responsibility to schedule and view these lectures at your own convenience. The instructor does not monitor who views the recorded lectures and those who do not. It is strongly recommended that you watch the lectures and keep up with class work and class discussions.

#### **Disruptive Behavior**

From the SPSU Catalog: "A faculty member reserves the right to remove any student from his or her course if the student's behavior is of a disruptive nature or if there is evidence of academic dishonesty." Disruptive behavior is any student behavior that the instructor believes is of a disruptive nature.

#### **Academic Dishonesty**

All of the following are examples of cheating:

1. To have another person take an essay for you or complete an assignment for you instead of doing the work yourself.
2. To copy the answers from another person and then submit those answers as your own.
3. To submit the work done by someone else as if you did that work yourself.

All of the following are examples of plagiarism:

1. To copy the work done by another person and then submit that work as if you did it yourself.
2. To pass off as one's own the works or ideas of another person without giving proper credit to the other person.
3. To rephrase or reword or rearrange the work of another person without giving credit to the other person for the work that person did.

**Penalty:** Any type of Disruptive Behavior or Academic Dishonesty by a student may result in the student being expelled from the course and the student receiving a grade of "F" in the course. This grade of "F" will appear on the student's official SPSU transcript. If the student has a repeated history of either Disruptive Behavior or Academic Dishonesty at SPSU then the student may also be expelled from the University.

#### **Disability Statement**

"A student at Southern Polytechnic State University who has a disabling condition and needs academic accommodations has a responsibility to voluntarily identify him/herself as having a disability by scheduling an appointment with the Disability Services Coordinator as soon as possible." (SPSU Catalog). Contact the Coordinator as follows: Kalisha Thomas, 678-915-7244, Building J, Room 253, [kthomas2@spsu.edu](mailto:kthomas2@spsu.edu).

**Professional Behavior**

All students are expected to abide by the professional ethical behavior standards published in the SPSU catalog.