

Syllabus for ESI 6555, Systems Management
Sections 09EH, 09FA, 091D, 0919
UF, Spring 2017

1. Course Description (3 semester hours) – Systems engineering is a discipline that addresses the management of systems of increasing complexity in military, industrial, commercial, and civil areas. The objectives of this course are to acquaint students with concepts of systems and the role systems engineering plays in their development. The course includes a project.
2. Pre-requisites: Linear algebra, calculus, probability
3. Instructor: Don A. Grundel
 - a. Phone: 850-582-0716
 - b. E-mail address: don.grundel@us.af.mil
 - c. Class Web site: EDGE e-learning site for ESI 6555
 - d. I have no office in the College of Engineering, you may contact me by email or phone at anytime
4. Taping Times: Mondays (2 lectures 11:00 AM and 11:50), and Thursdays 12:45 PM Central (subject to change)
5. Meeting Location: UF REEF, Shalimar, FL
6. Material and Supply Fees: None
7. Textbook: Blanchard and Fabrycky, *Systems Engineering and Analysis*, 5th edition, Prentice Hall, 2011. No specialized software required. Microsoft Excel will be used for some exercises. Additional materials developed by instructor are provided in Resources section of e-learning site.
8. Course Outline (planned topics): see attached weekly schedule
9. Attendance and Expectations: Any student who can attend any taping session is welcome. There is no penalty for absence or tardiness.
10. Grades are based on Homework, Quizzes, Project, midterm and final exam.
 - a. Homework is due within one week after assignment
 - b. Homework (25%), Quizzes (25%), Project (25%) midterm (12.5%), final (12.5%) (quizzes, midterm and final are open book, open notes – no proctor required)
11. Grading Scale: 90-100 A, 80-89 B. Instructor reserves the right to scale grades, but scale will be no more rigorous than shown.

In order to graduate, graduate students must have an overall GPA and an upper-division GPA of 3.0 or better (B or better). Note: a B- average is equivalent to a GPA of 2.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

12. Make-up Exam Policy: Exams may be made-up in extreme circumstances. Please contact instructor.
13. Honesty Policy – All students admitted to the University of Florida have signed a statement of academic honesty committing to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others.
14. Accommodation for Students with Disabilities – Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.
15. UF Counseling Services –Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:
 - UF Counseling & Wellness Center, 3190 Radio Rd, 352-392-1575, psychological and psychiatric services.
 - Career Resource Center, Reitz Union, 352-392-1601, career and job search services.
16. Software Use – All faculty, staff and student of the University of Florida are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.
17. Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.”

Some references for the course and for use in daily Systems Engineering activities

- Blanchard and Fabrycky, *Systems Engineering and Analysis*, 5th edition, Prentice Hall, 2011
- International Council on Systems Engineering, www.incose.org
- IEEE Std 15288, 2014
- Defense Acquisition Guidebook, 16 Sep 2013