

Summer 2012
ESI 6552 Systems Architecture
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Abstract: Systems engineering is a discipline that addresses the design and management of systems of increasing complexity in military, industrial, and commercial applications. This course will acquaint students with concepts of systems architecture and the application of those concepts to real-world systems.

Special Emphasis:

- Understanding of basic principles
- Application to system design and development
- Case studies: computer design, network systems

This class is based primarily on instructor's notes and lectures. Power Point lecture notes will be provided, but are not comprehensive. Students will also be responsible for material covered in lectures.

Recommended Textbooks (not required):

B. S. Blanchard and W. J. Fabrycky, *Systems Engineering and Analysis*, 5th edition, 2010, Prentice Hall, Inc. ISBN: 013221735X.

Maier, *The Art of Systems Architecting*, 3rd edition, 2009, CRC Press. ISBN: 781420079135

Supplementary material provided as a PDF:

Maier and Rechtin. *The Art of Systems Architecting*, 2nd edition, 2000, CRC Press. ISBN: 0849304407

Grade based on:

- Assignments
- Midterm
- Final Exam

Academic Honesty: All students admitted to the University of Florida have signed a statement of academic honesty committing them 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 student at the University of Florida and to be honest in all work submitted and exams taken in this class and all others.