

## Syllabus for IE 8913 - Eng. Econ. II (Spring, 2009)

Catalog Description: IE 8913. Engineering Economy II. (3) (Prerequisites: IE 3913 and IE 4613).  
Advanced principles and methods for engineering analysis of industrial problems. Topics include criteria for decisions, project investment and analysis, and elements of risk and uncertainty.

Instructor: Dr. Stanley F. Bullington, Professor of Industrial and Systems Engineering. Office: McCain 260N. Office phone: 662-325-7621. Fax: 662-325-7618. Email: bullington@ise.msstate.edu. Office hours: Monday & Wednesday, 1:30 – 2:30; Tuesday & Thursday, 12:45 – 1:45.

Text: Advanced Engineering Economics, C.S.Park and G.P. Sharp-Bette, John Wiley, 1990, ISBN-10: 0471799890; ISBN-13: 978-0471799894.

### Tentative Course Overview: (Dates are for On-Campus Students)

Interest & Equivalence (Ch.2)	6 classes
Measures of Inv. Worth - Single Proj. (Ch.6)	4 classes
Decision Rules for Selecting Among Alt.'s (Ch.7)	4 classes
After-Tax Cash Flow Analysis (Ch.4)	4 classes
<b>EXAM # 1 (Friday, 2/20)</b>	
Selecting a Min. Attractive Rate of Return (Ch.5)	2 classes
Deterministic Capital Budgeting Models (Ch.8)	4 classes
Measures of Inv. Worth Under Risk (Ch.10)	8 classes
Risk Simulation (Ch.12)	7 classes
Replacement Analysis (Ch.16)	2 classes
Evaluation of Public Investments (Ch.14)	1 class
<b>EXAM #2 (Tuesday, 4/28, 12:00-3:00 PM)</b>	

### Grade Distribution:

EXAM #1	35%
EXAM #2	35%
Literature Review(s)	10%
Cases, Homework	20%

More detailed instructions regarding the literature review and cases will be provided at a later date.

**NOTE:** The University's Academic Honesty Policy will be strictly enforced.