COLIDSE NUMBED: IE 4041M 4 crodits	COLIDSE TITLE: Sonior Dosign
COURSE NUMBER: IE 4041W, 4 credits	COURSE TITLE: Senior Design
TERMS OFFERED: Spring, Fall	PREREQUISITES: Students must have
	completed or be enrolled in IE 1010, 2010,
	2020, 3010, 3020, 3030, 3040, 3050, 4010,
	4020, 4030
TEXTBOOKS/REQUIRED MATERIAL: None.	PREPARED BY: William L. Cooper
	DATE OF PREPARATION: October 28, 2011
COURSE LEADER(S): William L. Cooper	CLASS/LABORATORY SCHEDULE: 2.115
COOKSE LEADER(S): William L. Cooper	CLASS/LABORATORY SCHEDULE: 2 115- minute classes per week.
	minute classes per week.
	CONTRIBUTION OF COURSE TO MEETING
	PROFESSIONAL OBJECTIVES:
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CATALOG DESCRIPTION: Each student works	COURSE TOPICS:
in a small team to address an open-ended	 Identifying, formulating, and solving
problem in industrial and systems	open-ended problems in industrial
engineering. Teams work with faculty and/or	and systems engineering.
industry advisors. Each team completes a	2. Writing project reports.
project that solves its problem. Each team	3. Oral presentations.
makes midterm and final presentations and	
produces a final report.	
COURSE OBJECTIVES	
1. To enable students to conceive of and	
implement a solution to a complex	
open-ended problem in industrial and	
systems engineering.	
2. To enable students to synthesize the	
knowledge and skills they have	
obtained during the course of their	
undergraduate studies	<u> </u>
COURSE OUTCOMES	
1. Students are able to formulate	
quantitative models for decision	
making.	
2. Students are able to implement	
quantitative models for decision	
making.	
3. Students are able to analyze	
quantitative models for decision	
making.	

solut techr 5. Stude techr	ents are able to verbally explain ions to technical and non- nical audiences. ents are able to write concise nical and non-technical riptions of their analyses.	
	T TOOLS: Project, midterm and tations, final report, weekly orts.	