

Daniel J. Epstein
Department of Industrial & Systems Engineering



ISE495b Senior Project Design (2 units)

Fall 2007
Instructor
Monday 8:30-9:50 am as required
Prof. Ted Mayeshiba (mayeshib@usc.edu)
Office hours: 6:15P - 7:15P (RTH114) or by appointment either by WebEx or BlackBoard
Text: 2135000752 or via email 2135000752@vtext.com
Please DO NOT CALL

T.A.
Dr. Raymond Rakhshani (rakhshan@usc.edu)
Office hours: Mondays, Wednesdays, & Fridays in GER. 205 11 a.m. to 12:30 p.m

Six minute video orientation of the WebEx service:
<http://den.usc.edu/faculty/WebExdemo08182006.aspx>

Introduction and Purposes

This course serves as the experiential capstone in the undergraduate ISE curriculum -- to apply your classroom knowledge to a real project in a real work setting. In the past decade the U.S. manufacturing industries such as automotive and aerospace adopt, implement and evolve "Lean" approaches based upon the Toyota Production System, Six Sigma, and other enterprise change models. Lean has led to significant reductions in cost and time to produce products with superior quality and performance. It is from this framework and perspective, that the student will see how ISE tools can be used to analyze and frame problem statements in real life situations.

The students in this class will learn:

- To handle difficulties associated with defining and organizing a realistic problem statement
- To manage impediments in obtaining information and approval
- To present and sell ideas to higher-level management
- To convert a project's worth into financial indicators

Schedule: (Timing is approximate and subject to change)

Week	Date	Class	Due
1	8/27/2007	Orientation for WebEx / A3	
2	9/3/2007	Holiday	Affirmation of A3 / WBS at end of last semester
3	9/10/2007	Meeting A3 Countermeasure Strategy	Needed only if project has changed from last semester
4	9/17/2007		
5	9/24/2007	Meeting A3 Progress Report / WBS (7%)	A3 Report / WBS Progress report Preliminary data or progress report toward identifying countermeasures
6	10/1/2007		Peer Review
7	10/8/2007	Meeting A3 Progress Report / WBS (8%)	A3 Report / WBS Progress report Initial ideas of final presentation
8	10/15/2007		
9	10/22/2007	Meeting A3 Progress Report / WBS (8%)	A3 Report / WBS Progress report Progress of recommendations / conclusions
10	10/29/2007		
11	11/5/2007	Meeting A3 Progress Report / WBS (7%)	A3 Report / WBS Progress report Final presentation outline
12	11/12/2007		Peer Review
13	11/19/2007		
14	11/26 & 28	Dress Rehearsal	

Grading breakdown

Progress Reports (4)	30%
Peer Review (2) (ability to evaluate others)	20%
Final Project Report / Presentation (sponsor)	30%
Instructors Evaluation <ul style="list-style-type: none"> ■ Peer review ■ Interim feedback from sponsor and representatives ■ WBS contribution for each progress report ■ Interaction with team members 	20%
Total	100%

- Attendance per se is not part of the course grade. However, punctuality will be considered. This means for meetings of your team as well as scheduled meetings with the instructor(s). Absence or extreme tardiness of a chronic nature will be noted and result in a lower grade.

Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me (or to TA) as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m.–5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Statement on Academic Integrity

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. *Scampus*, the Student Guidebook, contains the Student Conduct Code in Section 11.00, while the recommended sanctions are located in Appendix A: <http://www.usc.edu/dept/publications/SCAMPUS/gov/>. Students will be referred to the Office of Student Judicial Affairs and Community Standards for further review, should there be any suspicion of academic dishonesty. The Review process can be found at: <http://www.usc.edu/student-affairs/SJACS/>.