OPERATIONS MANAGEMENT-HONORS MSIS 3223 SPRING 2015

Instructor:	Dr. T. Ireland		
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Office Hours:	8:30-9:15 MWF and 2:30-4:00 MW and by appointment		
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Description: An introduction to the operations management process, and an examination of decision-making techniques applicable in the management of production or service oriented organizations.

Objectives:	Program Learning Goal:
1. To enable students to understand and be knowledgeable of the field of Operations Management—that part of the organization which creates goods or provides services.	Business Knowledge & Competency
2. To enable students to formulate and analyze decision situations.	Business Knowledge & Competency Critical Thinking
3. To enable students to utilize a number of mathematical and statistical techniques available for the solution of	Critical Thinking
OM decision situations.	Technological Competence

Guidelines:

- 1. The prerequisites are College Algebra (Math 2103 or equivalent), Basic Statistics (STAT 2023 or equivalent), and MSIS 2103.
- 2. There are 3 semester exams, including the final. Each exam is worth 100 points. (Each student will need to purchase **three** scantron testing forms for exam purposes. You will be asked to turn these forms in during the first two weeks of class. Please do not write your name on the scantrons.)
- 3. Graded homework problems and various computer projects will be assigned during the semester. These activities will be worth 80 points. The total number of points that can be earned in the course is 380.
- 4. Final grades are assigned as described below: The final criteria, including homework requirements (60%, 70%, etc.), may be slightly lower if the distribution of grade scores shows that this is advisable.

Grade	Meaning	Requirements
А	Superior	Minimum of 342 points (90%).
В	Good	Between 304 and 341 points (80%-90%)
С	Adequate	Between 266 and 303 points (70%-80%)
D	Minimum Passing	Between 228 and 265 points (60%-70%)
F	Failing	Below 228 points (60%)

- 5. Nongraded homework may be assigned daily, or as needed, to help you practice the techniques presented. Answers are available, and problems discussed from time to time in class. You are invited to visit your professor during office hours to discuss homework problems.
- 6. Since so much material is covered in a short time, it is important to attend all classes. If you should have to miss a lecture, determine what you have missed and take appropriate measures. If you cannot be in class on a test day, please contact your professor <u>in advance</u> of the test to arrange for a makeup. A makeup is harder than the scheduled test.

- 7. By attending class regularly, you are helping your chances for a good grade by participating in class discussions, getting handouts and announcements, opportunities to earn bonus points, and practice and review to help you do well in the exams.
- 8. All papers submitted for grading, including tests, should be legible and neat with the final answers circled or underlined.
- 9. Academic Integrity Policy—Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity will result in your being sanctioned. For more information refer to: http://academicintegrity.okstate.edu>.

10. The OSU **drop** policy is as follows:

January 12-January 20	No transcript entry
January 21-April 10	Grade of "W" recorded
After April 10	Drop by petition only

11. Textbook: Operations Management (12th edition) by W. J. Stevenson

		Readings	
I.	Introduction	Ch. 1&2 pp. 2-64	
II.	Decision Theory/Linear Programming	Ch. 5S, pp. 216-230	
		19, pp. 822-838	
III.	Forecasting	Ch. 3, pp. 74-123	
IV.	Product and Service Design/Reliability	Ch. 4 & 4s, pp. 134-180	
	EXAM I		
V.	Strategic Capacity Planning	Ch. 5, pp. 184-210	
VI.	Process Selection & Facility Layout	Ch. 6, pp. 236-279	
VII.	Design of Work Systems	Ch. 7, pp. 288-319	
VIII.	Location Planning & Analysis	Ch. 8, pp. 336-360	
IX.	Transportation Model Online Learning Center (OLC)		OLC)
	EXAM II		
Х.	Quality Management and Control	Ch. 9, 10, pp. 366-402, 410	-447 and OLC
XI.	Inventory Management Ch. 13, pp. 546-587		
XII.	Material Requirements Planning (MRP) and ERP Ch. 12, pp. 494-534		
XIII.	Project Management Ch. 17, pp. 730-771		
	FINAL EXAM		
12. Exams	EXAM I: February 12, Thursday evening, 5	::30-7:00 p.m. (4	ANSI 123)
	EXAM II: March 26, Thursday evening, 5:30-7:00 p.m.		
	FINAL: May 7, Thursday afternoon, 12:00)-1:50 p.m. (A	ANSI 123)

Note: Students with conflicting night classes need to contact me about taking exams at another time.

The OSU syllabus attachment can be found at:http://academicaffairs.okstate.edu/faculty-a-staff(Click on syllabus attachment—Spring 2015)

If any member of the class thinks that s/he has a physical, emotional, or psychological disability and needs special accommodations of any nature, the instructor will work with you and the university Office of Student Disability Services (SU 315, 744-7116 v/t) to provide reasonable accommodations to ensure that you have a fair opportunity to perform in this class. Please advise the instructor of such disability and the accommodations as soon as possible. You will need to also contact the Student Disability Services office in order to receive accommodations. No accommodations will be made without prior notification.