

# Operations Management OPRE 6302-5U1: Course Syllabus

## The University of Texas at Dallas

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Room/Schedule      SOM 2.115, Tuesdays 6:00 pm – 10:00 pm, Summer 2009  
Professor            Dr. Sai Kolli, 972-883-4834 (Secretary) [skolli@utdallas.edu](mailto:skolli@utdallas.edu)  
TA                     Cao Qingning, Phd Student, SOM 3.406, 972-883-6455,  
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### Course Description

Operations Management integrates all of the activities and processes that are necessary to provide products and services. This course overviews methods and models that help managers make better operating decisions over time. How these methods will allow firms to operate both manufacturing and service facilities in order to compete in a global environment will also be discussed. Prerequisite: OPRE 6301

**Required Text:** Managing Business Process Flow by R. Anupindi, S. Chopra, S.D. Deshmukh, J.A. Van Mieghem, E. Zemel, Second Edition, Prentice Hall, 2004.

**Required Case Pack:** The case pack can be obtained from the UTD bookstore.

**Suggested Course Materials:** Production/Operations Management by WJ Stevenson, 8th Edition, McGraw-Hill Irwin, 2005.

### Grading

	Points	% of Total
Mid Term Exam	20	20%
Home Work Assignments	10	10%
Case Projects *	30	30%
Final Exam	40	40%
Total	100	100%

\* Case projects and home work assignments must be submitted on specified dates.

### Student Learning Goals

- Understanding of concepts and tradeoffs associated with a firm's operations
- Development of problem-solving ability and analytical-thinking ability with respect to operations issues
- Provide a basic understanding of issues in services, manufacturing, JIT, and quality

### WebCT

Students will be able to access the course material using a web course tool called WebCT. You'll need to have a UTD NetID and password (your UTD Unix/Email ID and password) to access the course. You should login to the course site regularly to check course updates, discussion board messages, grades, etc.

## University Policies

Students should comply with policies and procedures set forth by The University of Texas System and The University of Texas at Dallas that include: Student Conduct & Discipline, Academic Integrity, Email Use, Withdrawal from Class, Student Grievance Procedures, Incomplete Grade Policy, Disability Services, Religious Holy Days. If you need further information, please contact your professor.

## OPRE 6302 Course Plan

Date	Topic	Assignment/Activity
May 26	Overview of Operations Management and Linear Programming (Chap 1/2/3 and handouts)	
June 2	Chap 3: Process Flow Measures	
June 9	Chap 4: Flow Time Analysis	
June 16	Chap 5: Flow Rate and Capacity Analysis	Case 1 due
June 23	Chap 6: Inventory Analysis	
<b>June 30</b>	<b>Mid term Exam</b>	
July 7	Chap 7: Managing Variability: Safety Inventory	Case 2 due
July 14	Chap 9: Managing Variability: Process Control	
July 21	MRP (Stevenson) and Chap 10: Lean Operations and JIT	
July 28	Aggregate Planning (Stevenson)	Case 3 due
August 4	No lecture Study day prior to final exam	
<b>August 11</b>	<b>Final Exam</b>	

*Above schedule may be changed at the discretion of the professor, based on student feedback*