

The University Of Toledo

Existing Graduate Course Modification Form

* denotes required fields

Contact Person*: P. S. Sundararaghavan Phone: 530-2456 (xxx - xxxx) Email:
p.sundararaghavan@utoledo.

Present

Supply all information asked for in this column.
(Supply core, research intensive and transfer module info if applicable)

College*: College Business and Innovation ▼

Dept/Academic Unit*:

Info Operations and Tech Management ▼

Course Alpha/Numeric*: OPMT
6690

Course Title:

Manufacturing Resources Management

Credit hours: Fixed: 03 or Variable: to

CrossListings:

Insert

To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

Remove

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Proposed

Fill in appropriate blanks only where entry differs from first column.

College: College Business and Innovation ▼

Dept/Academic Unit:

Info Operations and Tech Management ▼

Course Alpha/Numeric: OSCM
6690

Course Title:

Supply Chain Resources Management

Credit Hours: Fixed: 03 or Variable: to

CrossListings:

Insert

To add a course, type in course ID and click the Insert button.

To remove a course, select the course on left and click the Remove button.

Remove

Prerequisite(s)(if longer than 50 characters, please place it in Catalog Description):

OPMT 5520 or OSCM 5520 with C or better

Corequisite(s)(if longer than 50 characters, please place it in Catalog Description):

Catalog Description (*only if changed*) 75 words max: **Catalog Description** (*only if changed*) 75 words max:

Study of operations planning, scheduling, and inventory systems with tools such as MRP, JIT and bottleneck approaches in the context of manufacturing and service organizations through business cases where appropriate. Pre-requisite: OPMT 5520 FOR LEVEL GR WITH MIN. GRADE OF C OR BUAD 3020 FOR LEVEL UG WITH MIN. GRADE OF C

Study of operations planning, scheduling, and inventory systems with tools such as MRP, JIT and bottleneck approaches in the context of supply chains through business cases where appropriate. Pre-requisite: OSCM 5520 or OPMT 5520 FOR LEVEL GR WITH MIN. GRADE OF C OR BUAD 3020 FOR LEVEL UG WITH MIN. GRADE OF C

Has course content changed? Yes No

If course content is changed, give a brief topical outline of the revised course below(less than 200 words)

The course content is not significantly modified. The emphasis has been moved from manufacturing (one facility) to supply chains, which may consider problems and models that may span two or more facilities.

Proposed effective term*: (e.g. 201140 for 2011 Fall)

File Type	View File
Syllabus	View

List any course or courses to be deleted. Effective Date: 

Effective Date: 

Comments/Notes:

Rationale:

In general, Operations and Supply Chain Management is a better description of the program we are doing and the name for the undergraduate major was changed in 2015 along with all courses renamed and modified as needed to OSCM from OPMT. We are carrying out a similar process for the graduate courses. That is OPMT will be phased out and OSCM will be used for courses in the area offered by the department.

Approval:

Department Curriculum Authority:	Bassam Hasan	Date	2017/04/10
Department Chairperson:	P. S. Sundararaghavan	Date	2017/04/10
College Curriculum Authority or Chair:	Michael Mallin	Date	2017/04/10
College Dean:	Anand S. Kunnathur	Date	2017/04/11
Graduate Council:	Constance Schall, GC mtg 5/2/17	Date	2017/05/03
Dean of Graduate Studies:	Amanda C. Bryant-Friedrich	Date	2017/05/04
Office of the Provost :	marcia king-blandford	Date	2017/05/10

print

Administrative Use Only

Effective Date: 2016/08/22  (YYYY/MM/DD)
CIP Code:
Subsidy Taxonomy:
Program Code:
Instructional Level:

Registrar's Office Use Only

Processed in Banner on: 2017/05/15 

Processed in Banner by:

Tasha Woodson

Banner Subject Code:

OSCM

Banner Course Number:

6690

Banner Term Code:

201810

Banner Course Title:

Supply Chain Resources Management



OSCM6690: Supply Chain Resources Management

The University of Toledo
College of Business and Innovation

Instructor:		Office Hours:	M 3:00-5:30pm
Term:			or by appointment
Credit Hours:	3	Office Location:	Stranahan Hall 4031
Class Location:	Savage & Associates Bus Com 4160	Office Phone:	419-530-2380
Class Day/Time:	MW 7:20-10:00 pm	Email:	yue.zhang@utoledo.edu

Catalog Description:

Study of operations planning, scheduling, and inventory systems with tools such as MRP, JIT and bottleneck approaches in the context of supply chains through business cases where appropriate.

COURSE DESCRIPTION

In this course, we will study the theory and practice of Supply Chain resources planning. We will study methods for solving problems such as lowering inventories while providing acceptable level of service or scheduling products through the production facilities to ensure timely completion of orders. We will also study recent trends in supply chain management and enterprise resource planning.

STUDENT LEARNING OUTCOMES

Upon completion of this course, students should:

1. Understand the theory and practice of Supply Chain resource planning.
2. Apply a variety of methods for Supply Chain planning and control.
3. Understand with the concept and issues relating to supply chain management.
4. Be familiar with enterprise resource planning.
5. Understand the latest trends and their impact on Supply Chain planning and control systems.

REQUIRED TEXTS AND ANCILLARY MATERIALS

Manufacturing Planning and Control for Supply Chain Management by Jacobs, Berry, Whybark, and Vollmann, McGraw-Hill Professional, 1st Edition (2011), APICS/CPIM Certification Edition. ISBN-10: 0071750312; ISBN-13: 978-0071750318.

All materials for the class will be distributed through the **Blackboard** system. Please check blackboard regularly for updates.

UNIVERSITY POLICIES

Policy Statement on Non-Discrimination on the basis of Disability (ADA). The University is an equal opportunity educational institution. Please read [The University's Policy Statement on Nondiscrimination on the Basis of Disability Americans with Disability Act Compliance](#).

ACADEMIC ACCOMMODATIONS



The University of Toledo is committed to providing equal access to education for all students. If you have a documented disability or you believe you have a disability and would like information regarding academic accommodations/adjustments in this course please contact the [Student Disability Services Office](#).

GRADING

Your grade will be evaluated based on the items below:

Midterm Exam:	30%
Final Exam:	30%
Assignments:	15%
SAP Exercise:	5%
<u>Term Project (Group):</u>	<u>20%</u>
Total	100%

Grading Scale: You may earn grades based on the following scale:

A	≥ 85	B	75 - 80	C	65 - 70
A -	80 - 85	B -	70 - 75	C -	60 - 65
F	< 60				

- **Midterm Exam (30%):** There will be one midterm exam on October 10, 2016. It will cover certain chapters. See the Tentative Schedule below. The midterm exam will be open book/notes. No computers or electronic devices can be used.
- **Final Exam (30%):** There will be one final exam on November 28, 2016. It will cover certain chapters. See the Tentative Schedule below. The final exam will be open book/notes. No computers or electronic devices can be used.
- **Assignments (15%):** There will be four assignments, which will be posted on Blackboard. See the Tentative Schedule below for the due dates of the assignments. Please make sure you complete the assignments on time. Late assignments will not be graded. Make copies of your assignments for yourself before turning them in.
- **SAP Exercise (5%):** There will be one SAP exercise. The details will be posted on Blackboard. See the Tentative Schedule below for the due date of the SAP exercise. Please make sure you complete the exercise on time.
- **Term Project (20%):** You can choose to work on the term project as a group of two people or alone. Please make your choice and send me an email or tell me in person by September 12, 2016. Please select a topic area you are interested in. See the Tentative Schedule below for the topics covered in the course. This must be related to the general area of production planning and scheduling. Describe the way a specific company has applied the key concepts in the area you have selected. You are required to discuss with me about your term project by November 14, 2016. Eventually, you will turn in a report summarizing what you have found. You will also give a presentation in class.
- **Course Credit:** You may earn credit in the course by passing two or more of the five APICS CPIM certification exams. If you have passed the BSCM plus another one, you may opt for a grade of 'A' on the mid-term exam, or an automatic 'B' in the course. If you passed the BSCM plus two others, you may opt for an automatic 'A' in the course. If you meet any of these criteria, you must present proof within the semester.

NOTES

- You are expected to attend every class.
- You are expected to review the slides and the textbook after each class.



- You are encouraged to spend 10-20 minutes previewing the slides before each class.
- You should use your UT email address to contact me. Use “OPMT 6690” or “OPMT 8690” on the subject line.
- Evidence of cheating on an exam represents academic dishonesty. Academic dishonesty will be dealt with according to college and university regulations.

COURSE SCHEDULE

Week	Date	Topic
1	Aug 22	Introduction Chapter 1: Manufacturing Planning and Control Chapter 2: Enterprise Resource Planning (ERP) Chapter 3: Demand Management
2	Aug 29	Chapter 4: Forecasting
3	Sep 5	No Class: Labor Day
4	Sep 12	Chapter 5: Sales and Operations Planning (SOP)
5	Sep 19	Chapter 6: Advanced SOP Due: Assignment 1
6	Sep 26	Chapter 7: Master Production Scheduling Review Due: Assignment 2
7	Oct 3	No Class: Fall Break
8	Oct 10	Midterm: Chapters 1-7
9	Oct 17	Chapter 8: Material Requirements Planning (MRP) Chapter 9: Advanced MRP
10	Oct 24	Chapter 10: Capacity Planning and Management
11	Oct 31	Chapter 11: Production Activity Control (Scheduling) Chapter 12: Advanced Scheduling Due: Assignment 3
12	Nov 7	Chapter 16: Order Point Inventory Control Methods
13	Nov 14	Chapter 16: Order Point Inventory Control Methods Review
14	Nov 21	No Class: Instructor Travelling for Conference Due: Assignment 4
15	Nov 28	Final: Chapters 8-12,16
16	Dec 5	Project Presentations Due: Project Report Due: SAP Exercise