

The University Of Toledo

New Graduate Course Proposal

* denotes required fields

1. College*:
- Department*:
2. Contact Person*: Phone: (xxx - xxxx) Email:
3. Alpha/Numeric Code (Subject area - number)*: -
4. Proposed title*:
Proposed effective term*: (e.g. 201140 for 2011 Fall)
5. Is the course cross-listed with another academic unit? Yes No
- Approval of other academic unit (signature and title)
- Is the course offered at more than one level? Yes No
- If yes, an undergraduate course proposal form must also be submitted. If the undergraduate course is new, complete the [New Undergraduate Course Proposal](#); if the undergraduate course is existing, submit an [Undergraduate Course Modification Proposal](#).
6. Credit hours*: Fixed: or Variable:
 to
7. Delivery Mode:
- | | Primary* | Secondary | Tertiary |
|---------------------------|--------------------------------------|-------------------------------------|---|
| a. Activity Type * | <input type="text" value="Lecture"/> | <input type="text" value="Online"/> | <input type="text" value="Web Assisted Instr"/> |
| b. Minimum Credit Hours * | <input type="text" value="03"/> | <input type="text" value="03"/> | <input type="text" value="03"/> |
| Maximum Credit Hours * | <input type="text" value="03"/> | <input type="text" value="03"/> | <input type="text" value="03"/> |
| c. Weekly Contact Hours * | <input type="text" value="03"/> | <input type="text"/> | <input type="text"/> |
8. Terms offered: Fall Spring Summer
- Years offered: Every Alternate

Year Years

9. Are students permitted to register for more than one section during a term? No Yes

May the courses be repeated for credit? No Yes Maximum Hours

10. Grading System*:
- Normal Grading (A-F, S/U, WP/WF, PR, I)
 - Satisfactory/Unsatisfactory (A-C, less than C)
 - Grade Only (A-F, WP/WF, PR, I)
 - Audit Only
 - No Grade

11. Prerequisites (must be taken **before**): i.e. C or higher in (BIOE 4500 or BIOE 5500) and C or higher in MATH 4200

- PIN (Permission From Instructor) PDP (Permission From Department)

Co-requisites (must be taken **together**):

12. Catalog Description* (**75 words Maximum**)

13. Attach a syllabus - a syllabus template is available from the University Teaching Center. Click [here](#) for the Center's template.

File Type	View File
Syllabus	View

14. Comments/Notes:

A sample syllabus for a course in Cases in Operations and Supply Chain Management is attached. It could be different topics depending upon faculty and student interest.

15. Rationale:


A course of this type is used in all majors to provide an opportunity to cover special topics. We do not have such a course in the OSCM label at the graduate level.

Course 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	2017/05/15

print

Administrative Use Only

Effective Date: 2016/08/22  (YYYY/MM/DD)
CIP Code: 521201
Subsidy Taxonomy: masters
Program Code:
Instructional Level:

Registrar's Office Use Only

Processed in Banner on: 2017/05/16 
Processed in Banner by: Tasha Woodson
Banner Subject Code: OSCM
Banner Course Number: 6980
Banner Term Code: 201810
Banner Course Title: Special Topics in Operations and Supp



OSCM6980: Special topics in Operations and Supply Chain Management
(Topic: Cases in Operations and Supply Chain Management)

IOTM Department

College of Business and Innovation
The University of Toledo

Instructor:	Xinghao (Shaun) Yan	Term:	
Email:	Xinghao.Yan@utoledo.edu	Class Location:	
Office Hours:		Class Day/Time:	
Office Location:	ST4043	Credit Hours:	3
Office Phone:	419-5304365		

COURSE/CATALOG DESCRIPTION

The goal of this course is to interpret the relationship between a firm's product-market strategy and the role of the operations and supply chain management. Students learn how to manage operations and supply chains in business and government through case-based.

COURSE OVERVIEW

This course examines the management and flow of goods, information and funds within and between companies, from source to consumer. The goal of the course is to provide a comprehensive study of critical issues in operations and supply chain management. These issues include simultaneous decision making in operations and supply chain management, operations and supply chain performance metrics, distribution network design, demand management, risk analysis in OSCM, inventory management, and revenue management.

This is a case-based course. After the introduction of the theories and techniques in operations and supply chain through lectures, cases are used to demonstrate the application of these theories and techniques to solve the real-world problems. Students are put in the role of decision makers and are trained to approach business problems in a logical, quantitative/qualitative, and systematic way.



STUDENT LEARNING OUTCOMES

In this course, students learn how to analyze the impacts of operations and supply chain decisions on the firms as well as the entire supply chains. The course explores the key elements that comprise supply chain management. By taking the course, the students will be able to

1. Analyze the manufacturing operations in a firm.
2. Develop a framework to design and analyze supply chains that meet or exceed customer quality, deliver, cost and service requirements.
3. Analyze case problems in real world, and apply the theories in operations and supply chain management to resolve the case problems.
4. Develop communication skills through class discussion, teamwork-based projects, and presentations.

PREREQUISITES AND COREQUISITES

BUAD3020/OPMT5520

REQUIRED TEXTS AND ANCILLARY MATERIALS

Textbook:

Supply Chain Management: Strategy, Planning, and Operation (6th edition, 2016), Sunil Chopra and Peter Meindl, Pearson.

Students are also encouraged to refer to other materials which include the content similar to the course topics introduced in the course.

SOFTWARE

You are required to have recent working versions of Microsoft Excel and PowerPoint for this class. In addition to basic Excel, some Excel Add-Ins will be used in this course. We will make use of the Solver and Data Analysis add-ins, which is available on your Excel or Windows installation CD. These add-ins are available on your original installation CDs. It is your responsibility to ensure that these products have been installed properly.

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 ACCOMODATIONS

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](#).

ACADEMIC POLICIES

*(Insert specific academic policies the student is expected to comply with; policies **may** include student conduct, academic dishonesty, missed class policy, student grievances, etc.)*

COURSE EXPECTATIONS

You are expected to be fully engaged in the entire learning process. This means devoting time and energy to preparation before class, including learning team meetings, listening to others during class discussions and engaging in class discussions. Note that preparation before class does not mean that you “perfectly solve the case” or “provide all answers” to the case, but does mean that you have thoroughly read the case and other assigned materials, have thoughtfully considered and discussed the issues raised in the case with your team members, and have done the quantitative analysis when needed. In addition, through the analysis you are prepared to propose an action plan.

Using your computer during class for personal activities such as reading/writing email, writing letters, surfing the Web, playing games, etc. is also distracting and violates our norms.

GRADING

Grading Scale

Number of Points	Letter Grade	Scales (%)
900-1000	A (A- to A)	93-100 = A; 90-92 = A-
800-899	B (- to +)	87-89 = B+; 83-86 = B; 80-82 = B-
700-799	C (- to +)	77-79 = C+; 73-76 = C; 70-72 = B-
600-699	D (- to +)	67-69 = D+; 63-66 = D; 60-62 = D-
< 600	F	<=59

Grading Criteria

Grading areas	Points	Focus
Quizzes	15%	Individual
Mid-term	25%	Individual
Class contribution	15%	Individual
Group project	20%	Group
Final exam	25%	Individual
Total	100%	

Quizzes:



There will be 6 in-class quizzes in the 6 classes in which lectures on different course topics are given. Each quiz takes 10-15 minutes at the end of the class.

Mid-term/Final exam:

Either exam will be an open book short-answer style exam. Note that computers, cell phones, or any form of electronic device will NOT be permitted during the examination.

Class Contribution:

We will have peer evaluators in class who track quantity of contribution. Details of the peer evaluation process for class contribution will be provided in the first class. The instructor will evaluate your contribution mark for each class by using the peer evaluations as backup information. The evaluations are based on the quantity and quality of your contributions in class. Your final contribution grade will be calculated according to your contribution marks during the whole semester.

More details on the policy of class contribution grading will be given in the first class on Aug. 24th.

Students will prepare for the class discussions through group study. Please form teams of 4 members after the first class. You are required to turn in (1) the name of group members and (2) contact person to represent the group by the second class of the semester, i.e., Aug. 31st. If you do not turn in a group preference I will randomly assign you to a group.

Group Project:

Students are required to write a project report on a current supply chain topic. Your report should address a specific question related to supply chain management. The project provides students with the opportunity to face a real operations/supply chain problem in the reality and apply the theories/techniques in supply chain management to find out a solution to the problem. Groups are encouraged to use contacts from internships, prior/future jobs, or other networks/resources to find meaningful projects that need analysis of real data from firms facing supply chain challenges. However, the project report must be original and written by the group. If you need to refer to a source for background information, the source must be referenced appropriately. Full citation information should be given in the bibliography.

Any project topic is acceptable if only it is related to a real problem/issue in supply chain management and can be analyzed by using the theories/techniques introduced in the course. A list of recommended topics are provided below (a topic not included in the list should be approved by the instructor).

- Purchasing/Pricing Management
- Inventory Management
- Logistics and Distribution Management
- Supply Chain Structure Design



- Supply Chain Uncertainty/Risk Analysis
- Demand Management and Demand Forecasting
- Ordering Strategy in Supply Chain Management
- Revenue Management in Supply Chains
- Supply Chain Management in other fields, like Healthcare Supply Chains

The due dates of the group project are as follows,

- Nov 16th: Project progress presentation-each group will give a 5-minute presentation to the class regarding their project topic. Your project should address a specific issue. Your presentation should outline your plan and deliverables you aim to achieve.
- Nov 30th: Final project presentation.
- Dec 6th: Final written report.

More details on structures of the report and presentation will be given throughout the course.

ACCESSIBILITY

The University of Toledo abides by the Americans with Disabilities Act (equal and timely access) and Section 504 of the Rehabilitation Act of 1973 (non-discrimination on the basis of disability). If you have a disability and are in need of academic accommodations but have not yet registered with the Office of Accessibility (OA) (Rocket Hall 1820; 419.530.4981; officeofaccessibility@utoledo.edu), please contact the office as soon as possible for more information and/or to initiate the process for accessing academic accommodations. If you are registered with the Office of Accessibility please see me as soon as possible (after class or during my office hours) to discuss your accommodations and how I may be of assistance to you throughout the course. All discussions will remain confidential and are intended to assist me with ensuring that I can provide you with help related to any accommodations you are receiving through the Office of Accessibility.

The syllabus may be modified to improve effectiveness and meet the needs of the course.



COURSE SCHEDULE

OSCM 6980: Special Topics in Operations and Supply Chain Management

(Topic: Cases in Supply Chain Management)

By Xinghao (Shaun) Yan

Week	Date (Wed)	Topic	Activity
1	Aug 24	Understanding OM/SCM plus spreadsheet modeling and sensitivity analysis	Lecture, small case discussion, quiz
1	Aug 24	Case: Firm A's best price decision (from Shaun Yan)	Case discussion
2	Aug 31	Introduction to Optimization	Lecture, solving optimal decisions for small case problems, discussion
2	Aug 31	Presentation practice (Case: Chace Shipping)	Lecture, small case discussion, quiz
3	Sept 7	Supply chain performance evaluation, drivers and metrics	Case discussion
3	Sept 7	Case: Northwest Newsprint, INC (a)	Case discussion
4	Sept 14	Distribution network	Lecture, small case discussion, quiz
4	Sept 14	Bloomex.ca Logistics Optimization	Case discussion
5	Sept 21	Introduction to randomness and regression	Lecture, small case discussion
5	Sept 21	Demand management	Lecture, small case discussion, quiz
6	Sept 28	Case: Elite Rent-A-Car	Case discussion
6	Sept 28	Clonlara Hotel (1)	Case discussion
7	Oct 5	Review+ sample questions+Q&A	
8	Oct 12	Mid-term exam	
9	Oct 19	Lecture: simulation	Lecture, small case discussion
9	Oct 19	Case: Clonlara Hotel (2)	Case discussion



10	Oct 26	Inventory Management/News vendor Model	Lecture, small case discussion, quiz
10	Oct 26	Case: Red Brand Canners and Its Supply Chain	Case discussion
11	Nov 2	Case: Beijing Opera Mask Sales in Four Cities in the United States	Case discussion
11	Nov 2	Revenue Management	Lecture, small case discussion, quiz
12	Nov 9	Case: Four Star Motorsports	Case discussion
12	Nov 9	Case: Personal Training at the New York Health Club	Case discussion
13	Nov 16	Review and group progress presentation	
15	Nov 30	Group presentation	