

6K: 100  
Operations Management  
CIMBA (University of Iowa)  
Fall 2013

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**TEXT:** *Operations Management*, William J. Stevenson, 7<sup>th</sup> Edition; Kydd Course packet (to be posted on course website).

Purpose of the course:

The purpose of this course is to introduce the student to the field of Operations Management. It includes both qualitative and quantitative approaches to solving problems in the Operations area. It is designed as a survey course, and thus provides an overview of all of the basic areas within the field. It also provides opportunities for the student to learn and utilize computer software programs that are commonly used in Operations Management.

Students will also have the opportunity to apply what they have learned by completing several assignments where each one utilizes one of the techniques learned in the class.

Course Requirements:

Problem assignments have been listed next to each chapter in the book. These do not need to be turned in and they will not be graded, but you are expected to work the problems assigned. Solutions have been posted on the course website for this course so that you can check your work. These problems have been assigned to give you additional practice in doing the problems so that you will be better prepared for the exams.

You are required to complete and turn in 6 of 8 possible exercises. They must be turned in on time in order for you to get credit. They must also represent your best work. Please turn in the assignments in quality condition – this means that all of the work is presented neatly and in order of how the individual questions are asked. It is highly recommended that each student use a folder of some type to keep all of the pages of the assignment and related computer output together (if you turn in a hard copy). **No pages ripped out of a notebook with uneven edges will be accepted.** Several of the exercises will require computer work to be done in the Computing Lab using such packages as LINDO, and Excel. You must do exercises 1, 2, and 4. Your final exercise grade will be the sum of your grades on Exercises 1, 2, and 4 and the best three grades out of the remaining exercises that you turn in for credit. You may also submit your work via the Assignment tool on the course website.

A general schedule of lectures and topics is provided below. Please read the appropriate material before class and then work on the assigned problems and exercises after listening to the lectures in class.

<u>Class</u>	<u>Topic</u>	<u>Chapter Assign.</u>	<u>Problem Assignments</u>
1	Introduction/OM strategy	1,2	
2	Forecasting	3	PR 1, 2, 4, 5, 6, 8, 9, 12
3	Capacity Planning/LP	5	PR 3, 4, 5, 6, 8/PR 1, 2, 3, 4
4	Linear Programming	19	<b>Ex. 1 DUE</b>
5	“ “		
6	“ “		<b>Ex. 2 DUE</b>
7	<b>EXAM 1</b>		
8	Logistics/Transportation	8,8S	
9	“ “		
10	Aggregate Planning	11	<b>Ex. 3 DUE</b>
11	Scheduling	16	PR 1,2,6,7,11,15
12	“ “		<b>Ex. 4 DUE</b>
13	Project Management	17	PR 1-4, 7,8,9,10
14	“ “		<b>Ex. 5 DUE</b>
15	<b>EXAM 2</b>		
16	Lean Operations/Quality	14	
17	Inventory Management	13	PR 3, 4, 5, 10, 11, 13, 19
18	Materials Requirements Planning	12	PR 1-4, 6
19	Decision Analysis	5S	<b>Ex. 6 DUE</b> PR 1-5
20	Simulation		<b>Ex. 7 DUE</b>
21	<b>EXAM 3</b>		<b>Ex. 8 DUE</b>

All other course information, including the class exercises and lecture notes, can be found on the course website for BUAD306 Fall, 2013.

Basis for Grading:

Final grades will be based on the following spread of points--

Exam 1	25%
Exam 2	25%
Exam 3	25%
Exercises	25% (to be assigned during the semester)

Final grades will be determined on the basis of the following scale:

A	93-100	B-	80-82	D+	68-69
A-	90-92	C+	78-79	D	63-67
B+	88-89	C	73-77	D-	60-62
B	83-87	C-	70-72	F	Below 60

Course grades will be approximately distributed according to the recommended guidelines of the Management Sciences Department at the University of Iowa, which is 30% A's, 40% B's, 25% C's and 5% D's. These are only guidelines.

### **Academic Honesty:**

It is important for me to stress personal ethics. **It is my sincere hope that no student in this class submits work which is not his or her own. However, it seems prudent to clarify in advance the policy on cheating. If I determine that any assignment was not written solely by the student whose name appears on the assignment, the student will receive a zero (0) for the assignment and may receive an "F" for the class. All incidents of cheating will be reported to the CIMBA Undergraduate Office and the Senior Associate Dean of the Tippie College of Business and the student may be placed on disciplinary probation for the remainder of the semester. In general, the decision of the professor may be appealed to the CIMBA Undergraduate Staff and/or the College of Business Judicial Board, then to the Associate Dean for the Undergraduate Program. The Honor Code for the Tippie College of Business will determine the appropriate process. The Honor Code is located on the University of Iowa website.**

### **Attendance Policy**

Attendance at all classes and CIMBA sanctioned activities is MANDATORY. All unexcused absences will have the following consequences:

- a. 1st absence will result in a loss of a 1/3 of a letter grade in that class
- b. 2nd (cumulative) absence will result in a loss of an entire letter grade in that class
- c. 3rd (cumulative) absence will result in a dismissal from the program

Absences due to illness require a note from the CIMBA Undergraduate Office Staff and/or the Istituto Filippin medical staff. If a student is sick and cannot attend class, he/she must inform the CIMBA Staff immediately. Failure to do so will result in an unexcused absence.

### **Saturday Classes**

Due to the extensive amount of travel time incorporated into the CIMBA Undergraduate program, we will have to have a few Saturday classes to ensure that we have the appropriate amount of class sessions (per UI regulations). These Saturdays have NOT been confirmed yet, however they will be by the end of the first week of classes. Note that these Saturday classes will NOT be during any of the CIMBA scheduled travel breaks.

**Accommodating Disabilities:**

If you have a disability that may require some modification of seating, testing, or any class requirement, please let me know as soon as possible so that appropriate arrangements can be made. Similarly, if you have any emergency medical information that I should be aware of, or if you need special arrangements in the event of the building being evacuated, please let me know. Please see me after or outside of class to discuss these issues.

**Sexual Harassment:**

CIMBA, The Tippie College of Business and the University of Iowa are committed to providing students with an environment free from sexual harassment. If you feel that you are being or have been harassed or you are not sure what constitutes sexual harassment, we encourage you to visit the University of Iowa website: <http://www.sexualharassment.uiowa.edu/index.php> to seek assistance from the department chairs, Dean's Office, the University Ombuds Office, or the Equal Opportunity and Diversity Office.

**FERPA Requirement:**

In order to participate in this class, it may be necessary to reveal to other students the names of students who are enrolled in this course. If you do not want your name revealed to other students enrolled in this course, please contact me in writing by the end of the first week of class.

**Complaints:**

Student concerns regarding this course should first be discussed with me, the faculty member teaching this course. If we can't resolve the complaint, you may contact the Management Sciences Department Chair, Nick Street (319-335-1016, [nick-street@uiowa.edu](mailto:nick-street@uiowa.edu)). If you cannot resolve the complaint by speaking with the chair, you may contact the Associate Dean of the Tippie College Undergraduate Program, Lon Moeller, at 319-335-0924, or by email at [lon-moeller@uiowa.edu](mailto:lon-moeller@uiowa.edu).

**Communication with the professor:**

I may be reached by email at [chriskyd@udel.edu](mailto:chriskyd@udel.edu). I will try to get back to you within 24 hours at the latest. However there may be times when I do not have internet connectivity at all and so the response time may be longer than 24 hours. I will hold office hours on the days that we meet in class (times yet to be determined). Please make every effort to speak to me during office hours or before or after class if you have questions.