**MANAGEMENT 189 Operations Management**

**Winter 2017**

**INSTRUCTOR: Prof. Zvi Drezner**

**TIME: TTh 2:00 p.m. – 3:20 p.m.**

**LOCATION: SB1-2200**

**ADMINISTRATIVE ASST.: Ann Clark, SB #337, 824-8391**

**OFFICE HOURS: TTh 11:30a.m. – 12:30a.m., Room SB2 #307**

**Email: zdrezner@uci.edu**

**Operations Management consists of mathematically based methodologies for aiding the solution of decision problems. The Operations Management approach is to develop a mathematical model of a decision situation which may be solved (often with the aid of a computer) to yield information which can be beneficial in supporting managerial decisions.**

**ACADEMIC DISHONESTY**

**Please review the web site** [**http://www.editor.uci.edu/catalogue/appx/appx.2.htm#top**](https://owaportal3.fullerton.edu/owa/redir.aspx?C=0b15ddbe9bb14dae8a3b087a7351c260&URL=http%3a%2f%2fwww.editor.uci.edu%2fcatalogue%2fappx%2fappx.2.htm%23top)

**EXAM DATES**

**The midterm exam will be held in week 6 on Thursday, February 16**

**The final exam will be held March 23, 1:30-3:30**

**Both exams are open book and open notes. Exams are not cumulative.**

**RECOMMENDED TEXT: Production and Operations Analysis - 6th (or 5th) edition, S. Nahmias, McGraw-Hill.  
ISBN:  978-0073377858**

**OBJECTIVES**

**Increase familiarity with Operations Management techniques, applications and limitations.**

**Enhance skills in mathematically modeling problem situations, analysis, interpretation of results of algorithmic solutions to models, and presentation of results.**

**Raise awareness of available software packages such as Excel for decision support.**

**Raise awareness of current and potential Operations Management applications in local organizations.**

**EVALUATION**

**Planned Dates Points**

**Midterm Exam Thursday 2/16 30**

**Project Throughout Quarter 10**

**Homework Throughout Quarter 10**

**Final Exam 3/23 1:30-3:30 50**

**100**

**TENTATIVE COURSE SCHEDULE**

|  |  |  |
| --- | --- | --- |
| **Topic** | **Week** | **Date** |
| **Introduction, Forecasting, Seasonality** | **Week 1** | **1/10** |
| **Moving Average, Exponential Smoothing** | **Week 2** | **1/17** |
| **Time Series, Dummy Variables** | **Week 3** | **1/24** |
| **Queueing Analysis** | **Week 4** | **1/31** |
| **Queueing Analysis** | **Week 5** | **2/7** |
| **REVIEW AND MIDTERM** | **Week 6** | **2/14** |
| **Inventory Models** | **Week 7** | **2/21** |
| **Inventory Models** | **Week 8** | **2/28** |
| **Markov Chains** | **Week 9** | **3/7** |
| **Markov Chains, Review** | **Week 10** | **3/14** |
| **FINAL EXAM 1:30-3:30** | **Week 11** | **3/23** |