Syllabus

Supply Chain Management

- **Instructor:** Paul Lacourbe ([lacourbep at ceu.edu])
- **Credits:** 2
- **Term:** Fall 2017-2018
- **Course level:** PhD
- **Prerequisites:** None...

Course description

Operations management is the design, operation, and improvement of systems. It examines in detail how organizations do things. Understanding how operations impact the firm is important for managers regardless of their field, as operations management is not only concerned with production facilities, but also health care, insurance, hotel management, banking, airlines... Operational issues include purchasing raw materials; controlling and maintaining inventories; managing capacity. This course in operations management is intended to be a survey of core literature in operations management.

Learning outcomes

We will understand the importance of operations management literature and how to use it in your research

Reading list

For each session

Assessment

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Points</th>
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<tbody>
<tr>
<td>final exam</td>
<td>40 points</td>
</tr>
<tr>
<td>homework assignment</td>
<td>30 points</td>
</tr>
<tr>
<td>Class participation</td>
<td>30 points</td>
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<tr>
<td>Maximum total</td>
<td>100 points</td>
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Course schedule and materials for each session

Session 1 –

Topics: Newsboy and Transshipment

Assigned readings:
The single-item newsboy problem with dual performance measures and quantity discounts

Kroll, D. E. Lin, C.-S. European journal of operational research, 100(3), aug 1997

A Two-location inventory model with transshipment and local decision making Management Science 47(12) December 2001

Who benefits from transshipment? Exogenous vs. endogenous wholesale prices

Management Science 50(5) May 2004


Session 2 –

• Topics: Forecasting

Assigned readings:

Strategic investments, trading and pricing under forecast updating. Management Science  Vol. 52, No. 12, 1913-1929, 2006


Session 3 –

• Topics: Remanufacturing

• Assignment 2 Due: Question Set B

Assigned readings:


Session 4 –

- Topic: Product Portfolio Management

Assigned readings:


Session 5 –

- Topics: Product Definition

Assigned readings:


Session 6 – (Nov 18)

- Topics: Organizational Capabilities and Learning
Assigned readings:


Session 7 –

- Topic: Managing Risky Projects

Assigned readings:


Session 8 –

**Final Presentation**