

Eastern Illinois University  
***Revised Course Proposal***  
**BUS 3950, Operations Management**

**Banner/Catalog Information (Coversheet)**

1. ☐ New Course or ☒ Revision of Existing Course
2. Course prefix and number: BUS 3950
3. Short title: Operations Management
4. Long title: Operations Management
5. Hours per week: 3 Class 0 Lab 3 Credit
6. Terms: ☒ Fall ☒ Spring ☐ Summer ☒ On demand
7. Initial term: ☐ Fall ☐ Spring ☒ Summer Year: **2015**
8. **Catalog course description:** Management of manufacturing and service organizations. Among the topics are: forecasting; product and service operation design; process selection; capacity planning; layout; inventory management; aggregate planning; master scheduling; material requirements planning; lean operations; supply chain management; project management and quality. Includes application of computer software solution techniques.
9. **Course attributes:**  
General education component: None  
☐ Cultural diversity ☐ Honors ☐ Writing centered ☐ Writing intensive ☐ Writing active
10. **Instructional delivery**  
**Type of Course:**  
☒ Lecture ☐ Lab ☐ Lecture/lab combined ☐ Independent study/research  
☐ Internship ☐ Performance ☐ Practicum/clinical ☐ Other, specify: \_\_\_\_\_  
**Mode(s) of Delivery:**  
☒ Face-to-Face ☒ Online ☐ Study Abroad  
☒ Hybrid, specify approximate amount of on-line and face-to-face instruction: A maximum of 49% the course will be online
11. Course(s) to be deleted from the catalog once this course is approved. None. This is revision of an existing course.
12. **Equivalent course(s):** None
  - a. Are students allowed to take equivalent course(s) for credit? ☐ Yes ☒ No
13. **Prerequisite(s):** BUS 2810 with C or better, and MAT 2120G or OSC 3800 (MAT 2120G or OSC 3800 can be taken concurrently), or permission of the Associate Chair, School of Business.

a. Can prerequisite be taken concurrently? ☐ Yes ☒ No

b. Minimum grade required for the prerequisite course(s)? C

c. Use Banner coding to enforce prerequisite course(s)? ☒ Yes ☐ No

d. Who may waive prerequisite(s)?

☐ No one ☐ Chair ☐ Instructor ☐ Advisor ☒ Other (specify) Associate Chair

14. Co-requisite(s): None

15. Enrollment restrictions

a. Degrees, colleges, majors, levels, classes which may take the course None

b. Degrees, colleges, majors, levels, classes which may not take the course: None

16. Repeat status: ☒ May not be repeated ☐ May be repeated once with credit

17. Enter the limit, if any, on hours which may be applied to a major or minor: 3

18. Grading methods: ☒ Standard ☐ CR/NC ☐ Audit ☐ ABC/NC

19. Special grading provisions:

☐ Grade for course will not count in a student's grade point average.

☐ Grade for course will not count in hours toward graduation.

☐ Grade for course will be removed from GPA if student already has credit for or is registered in:

\_\_\_\_\_

☐ Credit hours for course will be removed from student's hours toward graduation if student already has credit for or is registered in: \_\_\_\_\_

20. Additional costs to students:

Supplemental Materials or Software: None

Course Fee ☒ No ☐ Yes, Explain if yes \_\_\_\_\_

21. Community college transfer:

☐ A community college course may be judged equivalent.

☒ A community college may not be judged equivalent.

Note: Upper division credit (3000+) will not be granted for a community college course, even if the content is judged to be equivalent.

## **Rationale, Justifications, and Assurances (Part I)**

1. ☒ Course is required for the major(s) of All majors in the School of Business  
☐ Course is required for the minor(s) of \_\_\_\_\_  
☐ Course is required for the certificate program(s)  
☐ Course is used as an elective.

2. **Rationale for proposal:** This course is an integral part of the business core. Current proposal only adds formally online and hybrid options to the traditional format.

3. **Justifications for (answer N/A if not applicable)**

Similarity to other courses: N/A

Prerequisites: This course builds upon basic concepts in statistics. As a result, a satisfactory completion of BUS 2810 is necessary.

Co-requisites: N/A

Enrollment restrictions: N/A

Writing active, intensive, centered: N/A

4. **General education assurances (answer N/A if not applicable)**

General education component: N/A

Curriculum: N/A

Instruction: N/A

Assessment: N/A

5. **Online/Hybrid delivery justification & assurances (answer N/A if not applicable)**

Online or hybrid delivery justification: EIU School of Business continues to deliver high quality education through traditional methods of teaching and technologically advanced methods such as online and hybrid education. Students are able to watch recorded videos whenever they prefer, stop the video, take notes and ask questions of the instructor and their peers. Operations Management content is suitable for online or hybrid education.

Instruction: Lectures from the face-to-face courses may be recorded and posted online for students to view. Other online components (e.g., tutorials, videos, simulation games, discussions) will be included. All faculty who will deliver this course online are/will be OCDI (or appropriate equivalent) trained.

Integrity: Students will take exams through an online testing taking monitoring system, or they will take them at a proctored facility such as a community college in their area.

Interaction: At the discretion of the faculty, provisions and requirements would vary but generally will utilize Email, Web-Based Discussions, and Web-conferencing.

## **Model Syllabus (Part II)**

Please include the following information:

1. Course number and title: BUS 3950 Operations Management
2. Catalog description: Management of manufacturing and service organizations. Among the topics are: forecasting; product and service operation design; process selection; capacity planning; layout; inventory management; aggregate planning; master scheduling; material requirements planning; lean operations; supply chain management; project management and quality. Includes application of computer software solution techniques.

3. Learning objectives:

Upon successful completion of this course, students will be able to:

1. Analyze cases and offer solutions to business problems in the operations area (CT 1-6, WR 1-6).
2. Apply spreadsheets and/or commonly available software packages to assist in solving business problems (QR 1-6).
3. Utilize tools for managing capacity (QR 2).
4. Evaluate and apply appropriate techniques for planning and scheduling (QR 1-6).
5. Apply appropriate techniques for controlling dependent and independent demand inventories (QR 2).
6. Utilize MRP and JIT to manage operations (QR 2).
7. Apply appropriate TQM and statistical process control tools (QR 2).

4. Course materials:

- Operations Management, 12th edition, Stevenson with Connect, McGraw-Hill/Irwin, 2014; ISBN: 978-0-07-802410-8

5. Weekly outline of content:

|    | <b>Class Content</b>                     | <b>Coverage</b>                     |
|----|--|-------------------------------------|
| 1  | Introduction to Operations               | 2.5 hours of class time             |
| 2  | Competitiveness                          | 2.5 hours of class time             |
| 3  | Forecasting                              | 2.5 hours of class time             |
| 4  | Product and Service Design               | 2.5 hours of class time             |
| 5  | Strategic Capacity Planning              | 2.5 hours of class time             |
| 6  | Decision Theory                          | 2.5 hours of class time             |
| 7  | Process Selection and Facility Layout    | 2.5 hours of class time             |
| 8  | Location Planning and Analysis           | 2.5 hours of class time             |
| 9  | Project Management                       | 2.5 hours of class time             |
| 10 | Quality Control                          | 2.5 hours of class time             |
| 11 | Aggregate Planning and Master Scheduling | 2.5 hours of class time             |
| 12 | MRP and ERP                              | 2.5 hours of class time             |
| 13 | Inventory Planning                       | 2.5 hours of class time             |
| 14 | JIT and Lean Operations                  | 2.5 hours of class time             |
| 15 | Into. to Supply Chain Management         | 2.5 hours of class time             |
|    | Final                                    | 2 hours                             |
|    | Total                                    | 37.5 hours of class time plus final |

6. Assignments and evaluation, including weights for final course grade:

The grading components and weights may vary by the instructor, but are generally considered as follows:

Assignments: 30% of total grade

Examinations (includes multiple choice questions, short essays, problems): 30%

End of semester project/case study with intensive writing: 20%

A comprehensive final: 20%

Total: 100%

7. Grading scale:

|               |   |
|---------------|---|
| 90% or higher | A |
| 80-89%        | B |
| 70-79%        | C |
| 60-69%        | D |
| Less than 60% | F |

8. Correlation of learning objectives to assignments and evaluation:

| Objective | Assignments | Examinations | End of Semester Project /Case Study | Final |
|-----------|-------------|--------------|-------------------------------------|-------|
| 1         | X           | X            | X                                   | X     |
| 2         | X           |              | X                                   |       |
| 3         | X           | X            |                                     | X     |
| 4         | X           | X            | X                                   | X     |
| 5         | X           | X            |                                     | X     |
| 6         | X           | X            | X                                   | X     |
| 7         | X           | X            |                                     | X     |

**Date approved by the discipline: Approved by MIS/OM Discipline on October 21, 2014**

**Date approved by the department or school: 11/12/14**

**Date approved by the college curriculum committee: 12/10/14**

**Date approved by the Honors Council (*if this is an honors course*):**

**Date approved by CAA: 1/22/15      CGS: Not Applicable.**