Eastern Illinois University
Revised Course Proposal
BUS 3950, Operations Management

Banner/Catalog Information (Coversheet)

1. ____ New Course or _X_ 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: _X_ Fall _X_ Spring ___ Summer _X_ On demand

7. Initial term: ___Fall ___ Spring _X_ 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:
        _X_ Lecture ___ Lab ___ Lecture/lab combined ___ Independent study/research
        ___ Internship ___ Performance ___ Practicum/clinical ___ Other, specify: ______________

    Mode(s) of Delivery:
        _X_ Face-to-Face _X_ Online ___ Study Abroad
        _X_ 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 _X_ 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  _X_ No

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

c. Use Banner coding to enforce prerequisite course(s)? _X_ Yes  __ No

d. Who may waive prerequisite(s)?

  __ No one  ___ Chair  ___ Instructor  ___ Advisor  _X_ 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: _X_ 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: _X_ 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  __ X_ No  ___ Yes, Explain if yes______________________________

21. Community college transfer:

  ___ A community college course may be judged equivalent.

  _X_ 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. _X_ Course is required for the major(s) of ____________________________
   ___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:
     ISBN: 978-0-07-802410-8

5. Weekly outline of content:

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

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90% or higher</td>
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<tr>
<td>B</td>
<td>80-89%</td>
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<tr>
<td>C</td>
<td>70-79%</td>
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<tr>
<td>D</td>
<td>60-69%</td>
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<tr>
<td>F</td>
<td>Less than 60%</td>
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</tbody>
</table>
8. Correlation of learning objectives to assignments and evaluation:

<table>
<thead>
<tr>
<th>Objective</th>
<th>Assignments</th>
<th>Examinations</th>
<th>End of Semester Project /Case Study</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X</td>
<td>X</td>
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<td>7</td>
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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.