APPLICATION FOR NEW COURSE

1. Submitted by College of Business and Economics Date 1/31/07
   Department/Division offering course School of Management

2. Proposed designation and Bulletin description of this course
   a. Prefix and Number MGT 612
   b. Title* Structured Problem Solving in Business
      *NOTE: If the title is longer than 24 characters (including spaces), write
      A sensible title (not exceeding 24 characters) for use on transcripts
      Business Problem Solving
   c. Lecture/Discussion hours per week 3
   d. Laboratory hours per week
   e. Studio hours per week
   f. Credits 3
   g. Course description
      An action learning course devoted to developing the project management and business process analysis skills necessary
to diagnose and solve real-world business problems.
   h. Prerequisites (if any)
      DIS 651; ECO 610; DIS 620
   i. May be repeated to a maximum of ________ (if applicable)

4. To be cross-listed as
   Prefix and Number
   Signature, Chairman, cross-listing department

5. Effective Date Spring 2008 (semester and year)

6. Course to be offered ☑ Fall ☐ Spring ☐ Summer

7. Will the course be offered each year? (Explain if not annually)
   ☑ Yes ☐ No

8. Why is this course needed?
   This course will be a new required part of our Evening MBA program. Business Process and Project Management Skills are
   becoming increasingly important to managers as they operate in increasing cross-disciplinary settings.

9. a. By whom will the course be taught? Members of our Management and Decision Science areas of the School
   b. Are facilities for teaching the course now available?
      If not, what plans have been made for providing them?
      ☑ Yes ☐ No
APPLICATION FOR NEW COURSE

10. What enrollment may be reasonably anticipated? 45

11. Will this course serve students in the Department primarily?
   Will it be of service to a significant number of students outside the Department?
   If so, explain.
   □ Yes □ No
   □ Yes □ No
   This is a required course in the MBA program—a cross-disciplinary program in the Gatton College

12. Will the course serve as a University Studies Program course?
   □ Yes □ No
   If yes, under what Area?

13. Check the category most applicable to this course
   □ traditional; offered in corresponding departments elsewhere;
   □ relatively new, now being widely established
   □ not yet to be found in many (or any) other universities

14. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky?
   □ Yes □ No

15. Is this course part of a proposed new program?
   If yes, which?
   □ Yes □ No

16. Will adding this course change the degree requirements in one or more programs?*
   If yes, explain the change(s) below
   Yes it will be a new required course in our MBA program.

17. Attach a list of the major teaching objectives of the proposed course and outline and/or reference list to be used.

18. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.    □ Check here if 100-200.

19. If the course is 400G or 500 level, include syllabi or course statement showing differentiation for undergraduate and graduate students in assignments, grading criteria, and grading scales.    □ Check here if 400G-500.

19. Within the Department, who should be contacted for further information about the proposed course?
   Name Paul Jarley (pjar2@uky.edu)  Phone Extension 7-7692

*NOTE: Approval of this course will constitute approval of the program change unless other program modifications are proposed.
APPLICATION FOR NEW COURSE

Signatures of Approval:

[Signatures]

Department Chair

Dean of the College

2/19/07

Date

2/19/07

Date

Date of Notice to the Faculty

*Undergraduate Council

*University Studies

*Graduate Council

*Academic Council for the Medical Center

*Senate Council (Chair)

Date

Date

Date

Date

Date

Date of Notice to University Senate

*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL

Rev 3/04
MGT 612
Structured Problem Solving in Business
Evening MBA program

COURSE DESCRIPTION:

Structured problem-solving approaches to business problems such as Six-Sigma and PMBok have been used to dramatically reduce errors and costs, keep projects on schedule, enhance quality and increase customer satisfaction. This course offers students an opportunity to develop competencies with such approaches and apply them to real-world business problems.

More specifically, students will:

- Understand Six Sigma and PMBok metrics, methods and systems.
- Understand DMAIC and PMBok processes and tools at a fundamental level.
- Understand the roles and approaches for Project Management implementation.
- Apply these tools and concepts to real business problems.

Instructional Methods:

The course involves a variety of instructional methods, including lecture and related discussion, workshops, student presentations, simulations, cases, and guest lectures.

Learning Materials:

Required Texts


Project

Students will work in teams on a Six-Sigma project as part of an effort to obtain a green belt in Six Sigma. This project along with its presentation will constitute 50% of the course.

Class Attendance:

Class attendance is compulsory for all sessions, including guest lectures and lab work. A non-attendance without a proper excuse (see: http://www.uky.edu/StudentAffairs/Code/part2.html) will result in a zero score for that specific activity. If you have to miss a class, it is your responsibility to turn in any assignment due prior to the class and find out what was covered and assigned.
**Course Grading:**

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<tbody>
<tr>
<td>Midterm Exam</td>
<td>25%</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
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<tr>
<td>Six Sigma Presentations</td>
<td>50%</td>
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**Course Topics:**

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<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1</td>
<td>Overview of the Six Sigma Process</td>
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<td>2</td>
<td>Leading Six Sigma Project Teams</td>
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<td>3</td>
<td>Project Choice</td>
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<td>4</td>
<td>Developing a Project Charter</td>
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<td>5</td>
<td>Project Planning</td>
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<td>6</td>
<td>Project Control Issues</td>
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<td>7</td>
<td>Midterm Exam</td>
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<td>8</td>
<td>Process Analysis</td>
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<td>9</td>
<td>Metrics</td>
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<td>10</td>
<td>More Metrics</td>
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<td>11</td>
<td>Optimizing the Process</td>
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<td>12</td>
<td>Control Issues</td>
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<td>13</td>
<td>Dealing with Resistance to Change</td>
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<td>14</td>
<td>Six Sigma Presentations</td>
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<td>15</td>
<td>Six Sigma Presentations</td>
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