OPERATIONS MANAGEMENT   (BMG K218)
Syllabus distributed by Assoc. Professor G. KENT HARDING
This syllabus is subject to change; notice of any changes will be provided in class

REQUIRED MATERIALS:
- **TEXT & CD-ROM (incl.) - TRCC-HEIZER OPERATIONS MANAGEMENT, 9e** by Jay Heizer & Barry Render; Published by Pearson Custom Publishing, Division of Prentice Hall;
- **ACCESS TO A COMPUTER** running Windows XP or Vista and Excel 2003 or later;
- **CALCUALTOR (occasional)**

PREREQUISITE:
- **Math K137 (intermediate algebra) or equivalent knowledge (non-degree students)**
- **Accounting K118 or equivalent knowledge (non-degree students)**

COREQUISITE:
- **Math K163 (statistics) or equivalent math**

COURSE DESCRIPTION: A STUDY OF BASIC LANGUAGE, TERMINOLOGY, APPLICATIONS, TOOLS AND THEORY OF OPERATIONS; PARTICULAR EMPHASIS IS PLACED ON THEIR APPLICATION TO STRUCTURED PROBLEMS COMPARABLE TO THOSE FOUND IN THE GLOBAL MARKETPLACE.

INSTRUCTIONAL METHODOLOGY:
- CLASSROOM LECTURE
- CLASSROOM DISCUSSION
- PROBLEM ANALYSIS & SOLUTION:
  - CLASSROOM DEMONSTRATION OF SAMPLE PROBLEMS
  - GRADED IN CLASS QUIZES USING COMPARABLE SAMPLE PROBLEMS
  - GRADED SOLUTIONS TO SELECTED "TEST" PROBLEMS
- HOMEWORK

EDUCATIONAL OBJECTIVES - Develop a basic understanding of :
- **Selected issues and types of problems relevant to providing goods & services in a global marketplace;**
- **How to solve operational problems & interpret the solutions;**
- **The use and application of selected software programs (tools) applicable to these issues;**
  - **The selection of the appropriate tool for the problem;**
  - **The translation of the problem information for input to the tool(s);**
  - **The generation, interpretation and application of solutions to the problems;**
  - **Solution optimization by changing inputs;**
  - **Effects of "what if" changes on the original solution(s);**
- **How to formulate an issue or problem for solution**

GRADING

THERE ARE NO MAKE-UP OR EXTRA-CREDIT OPTIONS
One exam will be dropped to accommodate an unanticipated absence

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- ➢ **TESTS WILL BE DISTRIBUTED AND COLLECTED ON THE DATES SHOWN IN THE INCLUDED COURSE ASSIGNMENT SHEET OR AS MAY BE ANNOUNCED IN CLASS.**

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➢ **You may return a test after the designated due date but no later than the beginning of the class in which the graded tests are returned <u>ONLY IF</u> you make appropriate arrangements with the instructor *P<u>IOR TO</u>* OR <u>*WITHIN 24 HOURS*</u> of the class during which the test is distributed. Notice may be provided by e-mail or phone message.**

➢ **No assignment will be accepted after the class following the originally scheduled due date without making prior arrangements with the instructor;**

➢ **No one without a <u>DISABILITIES RELEASE</u> will be permitted additional time to complete an in-class assignment once it has been distributed.**

Grading summary:

<u>Exams</u> **- The best 3 of 4 exams (worth 20 points each)**	**=**	**60 pts**
<u>Quizes</u> - **Total points normalized to 20 points**	**=**	**20 pts**
<u>Project Assignments -</u> **Total points normalized to 20 points**	**=**	**20 pts**
<u>Homework problems</u> - **Total points normalized to 10 points**	**=**	**10 pts**
TOTAL POINTS	**=**	**110 pts**

Grading is as stated in the Manual of Policy & Procedures on Grades & Quality points; the following table presents the point basis for the course.