

Office of Academic Affairs
Tarleton State University
Date Prepared: 12/1/08
Dates Revised:

Master Course Syllabus Outline

Department: Management, Marketing and Administrative Systems
Course Prefix/Number: MGMT 422
Course Title: Management Science
Master Syllabus Approved by Department on: 12/1/08

- I. Catalog Description:
Applications and use of quantitative techniques of decision making with emphasis on management needs. Relation of techniques to computer-generated solutions.
- II. Prerequisites:
CIS 104, GB 311, and 6 hours of MATH; or instructor's permission.
- III. Expanded Course Description:
The use of quantitative tools and techniques as an aid to managerial decision making. Using the case study approach, students will learn the discipline of management science and operations research. Following the process of problem definition, data gathering, model formulation and computer based solutions, students will make recommendations to improve business results.
- IV. Intended Student Outcomes:
At the conclusion of the course the student will
 - Understand the modeling approach to decision making
 - Use the problem solving process as an aid to decision making
 - Apply mathematical optimization techniques to business problems
 - Understand and use computer business simulation tools
 - Recognize when mathematical tools are appropriate to use
 - Demonstrate the ability to choose the appropriate quantitative tool including linear programming, network optimization, regression, queuing models, and forecasting.
- V. Unless otherwise stipulated in this master syllabus by the department, the following items are subject to faculty discretion as described in each faculty member's individual course outline/syllabus:
 - a) Course Requirements
 - b) Required Text(s)
 - c) Bibliography

- VI. Academic Honesty: Cheating, plagiarism (submitting another person's materials or ideas as one's own), or doing work for another person who will receive academic credit are all-impermissible. This includes the use of unauthorized books, notebooks, or other sources in order to secure of give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the faculty member who teaches the course in which the cheating took place.
- VII. Students With Disabilities Policy: It is the policy of Tarleton State University to comply with the Americans with Disabilities Act (ADA) and other federal, state, and local laws relative to the provision of disability services. Students with disabilities attending Tarleton State University may contact the Office of Disability Services at (254) 968-9478 (Stephenville) or (254) 519-5492 (Killeen) to request appropriate accommodation. Furthermore, formal accommodation requests cannot be made until the student has been officially admitted to Tarleton State University.

Department Head Signature/Date:

Signature

____/____/_____
Date