

University of Florida
Department of Decision and Information Sciences
QMB 4702: Managerial Quantitative Analysis 2
Fall 2017

Instructor: Adam B. Munson PhD, PE
Office: 358 STZ
Phone: (352) 846-1469
Email : abmunson@mail.ufl.edu
Office Hours : T-R: 3-4 periods

Website:

The course website is maintained on the [e-learning site](#). Please login to the system for syllabus, class communication, class notes, grades, updates to this document, etc.

Text: Recommended NOT required

Wilson and Albright or Ragesdale

Goals:

This course provides an introduction to the concepts and applications of Management Science. The objective of management science is to solve decision-making problems that confront managers in organizations both in the public and private sector by developing mathematical models of those problems. Another important goal is to encourage a more disciplined thinking process in the way you approach management situations. As a result of this course you will become more confident in understanding and using models, both in other courses and on the job.

Assurance of Learning

Each program at the Warrington College of Business Administration has developed goals and objectives that express the most valued skills and knowledge that students should be able to demonstrate upon completion of the total learning experiences in that program. The following goals and objectives are specifically mapped to **QMB4702**.

The **ISOM** program goals and objectives that apply to this course are:

Learning Goal 1: Our graduates will be knowledgeable in core Information Technology, Decision Support, and Analytical Skills.

1B. Students will demonstrate competency in: Database Design; Systems Analysis and Design; Telecommunication Strategies and Technologies; Network Security; Analytical Tools, and Project Management.

Grading scheme:

Assignments (2 @ 10%)	20%
Quizzes (4 @ 5%)	20%
Exam I	30%
Exam II	30%

The grades for this course will be based on a curve. This means the grade that you get for this course will depend on your relative rank in the class. The table below provides the maximum cut off for each grade.

94 or Above	A
90 to 94	A-
87 to 90	B+
84 to 87	B
80 to 84	B-
77 to 80	C+
74 to 77	C
70 to 74	C-
67 to 70	D+
64 to 67	D
60 to 64	D-
Below a 60	E

Class policies:*Assignments and quizzes:*

All assignments and quizzes should be individual submissions, unless otherwise announced in class. Students are free to discuss the assignments with me or with the teaching assistant. The assignments are due at the beginning of the designated class day. The due date will be strictly enforced. No late, faxed, emailed or photocopied submissions are acceptable.

Exams and make-up exams:

The exams will be closed book unless otherwise announced. THERE WILL BE NO MAKEUP EXAMS. Conflicts for the exams must be resolved before the exam dates. You should contact me at least two weeks prior to the exam date and let me know in writing. Last minute requests will not be entertained. The only reasons for not being able to sit for an examination in its announced time should be part of University policy, or a documented medical excuse.

“Re-grade” requests:

Any request to re-grade any component of your submissions (assignment or quiz or exam or project) has to be made within a week after the grade has been published online on the e-learning site. Given the size of the class, and the speed with which the course progresses, any request beyond this deadline cannot be considered. The only exception to this rule is a documented emergency.

Class participation:

Attendance is not compulsory during regular classes but if you miss any class you would be responsible for all material that was discussed in class or was in the assigned readings for that class. You are expected to be punctual in class attendance and remain in the classroom for the entire class session, as you would in any business appointment, unless an urgent need arises or prior arrangements have been made with me. There will be no make-up quizzes. You should complete the assigned readings before coming to class. I would expect you to be ready with answers to questions related to the readings.

Laptops and other electronic devices should be used with discretion and only as permitted for work directly related to the class session. Emailing, accessing the internet, and working on matters unrelated to the work at hand are inappropriate behaviors because they are disrespectful and distracting to the class and to the instructor.

Classroom discussion is an important part of the pedagogy. Students should be fully prepared to engage in class discussion, and they should use the opportunity to develop positive and professional communication skills. This includes according respect for differing perspectives and contributions to discussion, as well as building on the base for discussion laid by student colleagues and the instructor.

Discipline in class:

I would expect you to maintain the decorum of the class at all times. As with any other group activity, be acutely aware that your actions in class can have negative externalities that can collectively affect the performance of the entire group.

Teaching policies (academic honesty, student illness, religious holidays, accommodating students with disabilities and others):

For an updated list of UF teaching policies, please visit <http://www.registrar.ufl.edu/staff/policies.html>.

Academic integrity:

Academic integrity and honesty are essential in the development of a professional manager. This society is not willing to tolerate dishonest or otherwise unethical professional business managers. Students must attend to, and follow, the University of

Florida code of student conduct, with special attention to academic integrity and academic honesty. They must never appropriate the ideas and work of others, including both academic sources and fellow students, without appropriate attribution or by claiming others work as their own. They must exercise complete honesty in following the conditions established by the instructor for examinations and other assignments. Finally, they must be honest with one another, be willing to be accountable for their own failures of honesty and integrity, and not tolerate such failures in classmates.

Communication:

I will be available at my office during the office hours. I will also be available by appointment and I am very accessible via email. If you need to set up an appointment other than during my regular office hours, please send me e-mail at abmunson@mail.ufl.edu.

Week	Topic	Readings and Deliverables
Oct 23	Class introduction	
Oct 25	Goal Programming andr MIP	Chapter 7 (Chap 6 if needed)
Oct 30	Non-linear programming	Chapter 8
Nov 1	Gradient and evolutionary	Chapter 8
Nov 6	Gradient and evolutionary	Chapter 14
Nov 8	DA/Queuing Models	Chapter 13
Nov 13	EXAM	Chapter 13 and notes
Nov 15	Decision Analysis	
Nov 20	Queuing Models or other topic	Chapter 12
Nov 22	No Class	
Nov 27	Simulation Modeling	Chapter 12
Nov 29	Simulation Modeling	
Dec 4	Exam II	
<i>This schedule is tentative subject to change.</i>		