

Quantitative Business Analysis MGT305.06

Fall Term, Y2K+6

Tuesday, Thursday 1405-1520 Forsyth 334

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Textbook: Introduction to Management Science, 8th edit., Bernard Taylor, III; DSS 2.1 for Windows; EXCEL forecasting templates; Jensen Queuing Add-in for EXCEL.

Prerequisites: Econ235, CO-REQUISITE Mgt300

Class Objective: Introduce the student to quantitative methods used to support organizational management decisions.

Class Schedule:

AUG 24	Course Introduction—Read Chapter 1
AUG 29, 31; SEP 5, 7, 12	Linear Programming—Read Chapters 2, 3, 4
Septembert 14	Linear Programming Exam
SEP 19, 21 26, 28; OCT 3	Queuing—Read Chapter13
October 5	Queuing Exam
OCT 10, 12, 17, 24	Statistical Process/Quality Control (S/QPC)—Reading Materials Provided
October 26	Statistical Process/Quality Control (S/QC) Exam
OCT 31; NOV 2, 7, 9, 14 ,16	Forecasting—Read Chapter 15
November 21	Forecasting Exam
NOV 28, 30 DEC 5, 7	PERT/CPM (Project Management)
DEC—TBA	PERT/CPM (Project Management) Exam—Final

Topics/assignments will be discussed as indicated. This syllabus provides a general plan for the course; deviations may be needed.

Last day to withdraw with an automatic grade of “W” for the course is by 7 p.m. on Monday, 16 October Y2K+6.

Your course grade will be based on the following:

Grading Scale:

Linear Programming Exam	200	A	920-1000	C-	700-719
Project Management (PERT/CPM) Exam	200	A-	900-919	D+	670-699
Queuing Exam	200	B+	870-899	D	620-669
Forecasting Exam	200	B	820-869	D-	600-619
SQC Exam	200	B-	800-819		
		C+	770-799	F	Below 600
		C	720-769		
Total Points	1000				

I reserve the right at my discretion to assign higher course grades to students at the margins.

NOTE: If you wait until the day of an **exam** to request assistance from me in your preparation for same, you will more than likely be subjected to *merciless ridicule* and *teasing*.

Class Attendance Policy:

Regular class attendance is expected. Attendance will be taken during each class session. Poor attendance will unfavorably impact the instructor's grade you receive. Each student is permitted three class absences without penalty. So use them up responsibly. Thereafter, ten points will be forfeited from your final grade (1%) for each class absence. Excused absences apply to sanctioned University functions, ONLY.

Missed Exam Policy:

- As a general rule, make-up exams will not be offered. However, absence from an exam may be compelled as a result of illness, jury duty or other appropriate reasons. If at all possible, see me before missing any examination to discuss circumstances.
- All make-up exams will, at my discretion, be given only during finals week. (see last bullet)
- You must make an appointment with me no later than 19 April Y2K+6 to take your missed test during finals week.

Students who have a disability or limitation of any type should discuss the disability or limitation with the instructor before the close of the second week of classes so that any necessary accommodations regarding seating, testing or other requirements can be made.

CAVEAT :

Western Carolina University is committed to providing equal educational opportunities for students with documented disabilities. Students who require disability services or reasonable accommodations must identify themselves as having a disability and provide current diagnostic documentation to Disability Services. All information is confidential. Please contact Kimberly Marcus for more information. Phone: (828) 227-7234; E-mail: kmarcus@email.wcu.edu.

Class Norms (Ground Rules)

- 1) Procure your class notes prior to class. Class notes are on MYCAT for you to download and print (see below).
- 2) You are expected to work assigned practice problems until you are comfortable with each method and formula. Furthermore, you are expected to ask questions regarding these problems.
- 3) An attendance sheet will be circulated thru the class for your signatures. Make sure you sign it otherwise I will count you absent from class. Once I secure the attendance sheet no more signatures may be added to it. So make sure that you are on time to class and sign it. If the number of signatures and the body count do not equal each other, the absent person for whom there is a signature will receive three absences for that class session.
- 4) Exiting the classroom to take care of personal needs is not OK. Take care of those needs before class—emergencies excepted. If you cannot last the 75 minutes that class is in session a collection will taken up to buy you a carton of Depends. Being late or absent on a continuing basis is not okay, because it will affect your final grade. Coming in late disrupts your classmates and you should make every possible effort to be in class on time. Emergencies do occur and will be considered, but every effort should be made to arrive on time.
- 5) Talking with others, talking to yourself, sleeping, daydreaming, note passing, doing homework or studying for tests for any class while in this class is **not okay**, because you are being disruptive. If you talk, you should talk to everyone, loud enough for everyone to hear. If you violate this norm, you will be asked to leave class after an oral warning.
- 6) Drinks are okay as long as your drink is in a “quiet” container, such as an insulated holder or wrapped with napkins/paper towels so that you will not make noise when putting your container on the desk or on the floor. Ice chewing is prohibited. Eating lunch during class is prohibited.
- 7) Hats, caps and other head coverings are fine for outside. However, these items are for outside, not inside. No head coverings should be worn in class.
- 8) The only “stupid” question is the one unasked. Asking questions leads to understanding.
- 9) Asking for clarification is okay, because if you do not understand, you will not do well on the assignments and examinations.

INSTRUCTIONAL PROCEDURE

Your DSS 2.1 software can be purchased at WCU’s book store. Other software for the course is on the computer classroom computers. This MGT305 course is thoroughly computer driven. You will find that 1) use of the computer will definitely assist you in doing your homework, 2) emulate how you would set about generating solutions to similar problems in the world of work, and 3) involve rudimentary software packages that you can put to use. I anticipate that given an assignment, you can go to a school lab or to your own computer and do the assignment. Whereupon at the next class meeting, we can review our results and see if there is a general agreement as to what each class member has generated or explain to the satisfaction and benefit of all concerned why differences between what class members have generated what has occurred.

It is my intent to drive the exams you take with computers and the software provided you. Therefore, it is absolutely essential that 1) you conscientiously do your homework and 2) make use of the computer in doing it in order to acquire competence applying the appropriate software programs to the problems you are assigned. Doing these things, you will substantially increase the odds that you will be adequately preparing yourself for taking the exams in this course.

THE ADMINISTRATION OF EXAMS

As nearly as possible, exams will be computer driven or at least part of them. They will be taken in this classroom. You will be permitted a single crib sheet to assist you while taking exams.

USING MYCAT

1. Log on to MYCAT.
2. Go to My Courses.
3. Click on MGT305.03
4. Click on Manage Files.
5. Retrieve desired files from the appropriate folders if not stand-alone files.