

Spring 2015
Course Syllabus AS 498

COURSE: AS498 Topics in AS & Financial Math (Models of Financial Economics) 3 credit hours

Meeting Times: 8:30-9:45 a.m. MW room 209 building 6

TEXT BOOK: Derivative Markets (third edition, 2013) by Robert L. McDonald, Addison Wesley, ISBN:-13: 978-0-321-54308-0

INSTRUCTOR: DR. A. Khaliq, room 420 building 5, e-mail: aqmkhaliq@kfupm.edu.sa

OFFICE HOURS: 1:15-2:30 P.M. MW, and/or any other time by appointment.

CONTENTS: MFE syllabus as given on SOA website will be covered in the course

OBJECTIVES: The objective of the course is to cover the syllabus of Financial Economics part FME exams.

GRADING: 90- 100% A+; 85-89% A; 80-84% B, 70 - 79% C; 60 - 69% D; 00 - 59% F

Based on the following instruments:

4 Tests:	60%
Assignments:	20%
Final Exam:	20%

4 Tests

(Feb. 23, March 16, April 13, May 11)

You will be given 4 tests during the semester. These will be in class closed-book tests; calculators are permissible. Each test will carry equal weight, and will cover all of the material learned up to and including one day before the exam. Cheating during the tests would not be tolerated. Cheating cases will be brought into attention of appropriate KFUPM authorities. Please turn all cell-phones off during the test. Make-up tests would be given only for just cause. Chapters for the tests will be decided in class.

Assignments

You will be given about 10 assignments during the semester. There will be some challenging problems mostly from previous MFE exams. You should strive to start the assignment the day it is assigned. Be detailed in your explanations; a lone numerical answer never suffices. Cheating is not to be tolerated, and will be dealt according to KFUPM.

Final Exam:

Comprehensive final exam according to University policy

Final exam will be comprehensive, closed book exam and will be only given according to KFUPM. Please turn all cell-phones off during the Final Exam.

Homework:

You will be assigned textbook problems on each day class is held (except for exam days). You should strive to solve the problems the day they are assigned. It is very important to keep up with the homework and do the problems regularly. Although home work problems will not be graded, it is very important to do the problems to for the mastery of the subject. The best way to learn mathematics is to do mathematics.

I encourage you to work with others on homework problems. However, be sure that you understand everything and do not become dependent on others. While I will solve homework problems in class, you may feel free to stop by my office to discuss the problems. Feel free to e-mail me questions you are not able to solve, and I'll address solutions to such problems in the next lecture.

Readings are also part of your homework, even though you cannot be directly graded on this component. Reading assignments will be given on each day class is held. You are expected to complete the reading before the start of the very next scheduled class. Please take these readings seriously; the very best way to learn mathematics is to read it.

Attendance and Late Work:

Perfect attendance is expected to succeed in the course. To obtain an excused absence due to illness for a day that class meets, you must submit written verification obtained from a physician, or the Office of Student affairs. Excused absences will also be granted for participation in scheduled athletic events or class field trips. In that case you must notify me well in advance of the absence to be excused.

If you have an excused absence for the day an exam is scheduled, you must contact me to make arrangements for taking a make-up test (which will be different from and perhaps slightly more difficult than the original exam). The make-up exam should be taken as soon as possible, and definitely no later than five days after the original test was administered. Missing a test may mean that you will lose the privilege of obtaining a written solution from me.

If you have an excused absence for the day Assignment is due, you must submit the assignment to me within 48 hours of the time it was due. If you are still on excused absence, you must send someone to bring the assignment to my office before the 48 hours has expired. This deadline is strict so that I may give solutions soon after the assignment is due.

Tests and assignments missed without an excused absence will be recorded as zero points. There will be no other chances to complete missing work, so please keep on top of things.