

George Mason University
Math 557
Course Syllabus

Date Spring 2018
Title Financial Derivatives
Course Math 557
Location Robinson Hall A249
Time Tue 7:20PM
Professor: Dr Eckley
 deckley2@gmu.edu
 mobile # 571 277 7927
 office # 703 993 1682
 office hours Tue and Thu 2pm - 7pm

Description

This course satisfies the coursework requirement relating to the MFE exam in the Society of Actuaries examination sequence.

The book is Derivatives Markets (Third Edition), 2013, by McDonald, R.L., Pearson Education, ISBN: 978-0-32154-308-0

Procedures

The class will consist mostly of a series of lectures.

Grading will be on a 100-point scale (90/80/70/60) divided as follows:

Homework	20
Test #1	20
Test #2	20
Final exam	40

The particular homework problems will be decided as we progress through the term.

Calendar

<u>Date</u>	<u>Topic</u>	<u>Reference to Book</u>
23-Jan	Option Concepts	Ch 9
30-Jan	Binomial Pricing	Ch 10 - 11
06-Feb	Black-Scholes	Ch 12
13-Feb	Hedging	Ch 13
20-Feb	Exotics	Ch 14
27-Feb	Test #1	
06-Mar	Lognormal	Ch 18
13-Mar	Monte Carlo	Ch 19
20-Mar	Brownian Motion	Ch 20
27-Mar	Black-Scholes -Merton	Ch 21
03-Apr	Exotics (advanced)	Ch 23
10-Apr	Volatility	Ch 24
17-Apr	Bond derivatives	Ch 25
01-May	Test #2	
07-May	Final Exam	