

**The University of Iowa**  
**College of Liberal Arts and Sciences**  
**Department of Statistics and Actuarial Science**

**22S:183 Mathematics of Finance II**  
**1:30PM - 2:20PM MTWThF 74 SH Fall Semester 2007**

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Office Hours: 10:30 - 11:30AM, Monday, Tuesday & Friday, or by appointment  
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Prerequisites: C or better in 22S:175

The textbooks are H.H. Panjer (editor) (1998) *Financial Economics: With Applications to Investments, Insurance, and Pensions*, The Actuarial Foundation, and R.L. McDonald (2006) *Derivatives Markets*, 2<sup>nd</sup> edition, Pearson. Copies of *Student Solutions Manual to Derivatives Markets* are available at the IMU bookstore. The main aim of the course is to cover Chapters 9 to 14, 20, and 24 of *Derivatives Markets*.

This is a 3-semester hour course; hence there will be 45 lectures. Between August 27 and November 5 (SOA Exam MFE will be given on Tuesday, November 6), there are ten weeks. There will be three (3) exams: September 22 (Saturday, 9:30 – 11:30AM, 112 MH), October 20 (Saturday, 9:30 – 11:30AM, 112 MH), and November 4 (Sunday, 6 – 8 PM, 40 SH). **You are to use an official CAS/SOA calculator.**

Tentatively, the final grade (H.W. 10 % + Exams 30% + 30% + 30%) will be assigned as follows:

Undergrads F[0, 40); D–[40, 45); D[45, 50); D+[50, 55); C–[55, 60); C[60, 65);  
C+[65, 70); B–[70, 75); B[75, 80); B+[80, 85); A–[85, 90); A[90, 95); A+[95, 100]

Graduate students F[0, 46); D–[46, 50.5); D[50.5, 55); D+[55, 59.5); C–[59.5, 64); C[64, 68.5); C+[68.5, 73); B–[73, 77.5); B[77.5, 82); B+[82, 86.5); A–[86.5, 91); A[91, 95.5); A+[95.5, 100]

### **Academic Fraud**

All forms of plagiarism and any other activities that result in a student presenting work that is **not** his or her **own** are academic fraud. All academic fraud is reported to the departmental DEO and then to the Associate Dean for Academic Programs and Services. See Academic Fraud at [http://www.clas.uiowa.edu/students/academic\\_handbook/ix.shtml](http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml) for the complete policy.

### **Making a Suggestion or a Complaint**

Students have the right to make suggestions or complaints and should first visit with the instructor, then with the course supervisor if necessary, and next with the departmental DEO. All complaints must be made as soon as possible. For more information visit, see Student Complaints at [http://www.clas.uiowa.edu/students/academic\\_handbook/ix.shtml#5](http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml#5)

### **Accommodations for Disabilities**

Under the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, instructors provide reasonable academic accommodations for qualified students with disabilities. Students seeking academic accommodations first register with Student Disability Services and meet with a counselor in that office who reviews documentation and determines eligibility for services. Students approved for accommodations arrange to meet privately with course instructors. Visit Student Disability Services at <http://www.uiowa.edu/~sds/>.

### **Understanding Sexual Harassment**

Sexual harassment is reprehensible and will not be tolerated by the University. It subverts the mission of the University and threatens the well-being of students, faculty, and staff. Visit <http://www.sexualharassment.uiowa.edu/> for definitions, assistance, and the full University policy.

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The M.S. Final (Comprehensive) Examination, based on 22S:181, 182 and 183, will be given during the Martin Luther King weekend in January. Old exams on life contingencies are on reserve in the Mathematics Library in MLH.

The syllabi, study notes, old exams, and sample exams of SOA Exams MLC and MFE can be found in <http://www.soa.org/files/pdf/edu-catfall07-exam-m.pdf> and <http://www.soa.org/education/resources/edu-multiple-choice-essay-examinations.aspx>

Past British actuarial examinations and their solutions can be found in [http://www.actuaries.org.uk/Display\\_Page.cgi?url=/students/specimen\\_papers.xml](http://www.actuaries.org.uk/Display_Page.cgi?url=/students/specimen_papers.xml)