Course policies are governed by the College of Liberal Arts and Sciences. Please visit the url http://www.clas.uiowa.edu/students/academic_handbook/ in order to get familiar with the following:

i. University policies regarding student rights and responsibilities  
ii. University policies regarding academic misconduct

Also, see the appendix to this handout.

Please visit http://www.stat.uiowa.edu/courses/tutors.shtml for a list of independent tutors.

Instructor:

Nariankadu D. Shyamalkumar (i.e. call me Shyamal pronounced shá mu1 !)
Office: SH 208
Phone: 335-1980
EMail: shyamal-kumar@uiowa.edu
Classes: 11:30pm - 12:20pm MWF - 31SH
Office Hours: 3:00pm to 4:00pm MWF or by appointment.
Website: ICON at the url http://icon.uiowa.edu

Department:

Statistics and Actuarial Science, 241 SH, 335-0712.
Chair - Prof. Luke Tierney, luke-tierney@uiowa.edu, 335-0712

Goal of this Course:
The goal of this course largely coincides with the goal of the interest theory part of SOA/CAS Exam FM, and which is stated by the SOA as follows:

The goal of the Financial Mathematics exam is to provide an understanding of the fundamental concepts of financial mathematics, and how those concepts are applied in calculating present and accumulated values for various streams of cash flows as a basis for future use in: reserving, valuation, pricing, asset/liability management, investment income, capital budgeting, and valuing contingent cash flows. The candidate will also be given an introduction to financial instruments, including derivatives, and the concept of no-arbitrage as it relates to financial mathematics.
For the financial derivatives part of the Exam FM, you should be taking the course titled *Quantitative Methods for Actuaries*.

**Recommended Text(s) and the Syllabus:**


Chapters 1; 2; 3 (3.1-3.9); 4 (4.1-4.5); 5; 6 (6.1-6.3 excluding 6.1.6-6.1.7); 7 (7.1-7.9); and 8 (8.1-8.3).

**Evaluation System:**

**Attendance:** 0%

You may choose to attend or not to attend classes, but if you choose to not come to class then the office hours **cannot** be used to learn the material covered in class.

**Homework:** 15%

Individualized assignments will be emailed to you by Monday of every week there is an assignment. They have to be returned by the beginning of Monday’s class of the following week. The system for assignments will be described more in detail after the first assignment is emailed out. You may choose to collaborate on assignments, but here is my advice: give the problems a good try on your own before collaborating, as during exams you will be on your own. The assignments are intended to make you aware of your lingering misconceptions, and hence collaborating too early decreases the chance that you have your misconceptions flushed out before the exams.

**Exams and Calculators**

Only official SOA/CAS calculators will be allowed. **You will need either the Texas Instruments BA II Plus or the BA II Plus Professional.**

Mid-terms and the final will be closed-book. One may find the past SOA exam problems and past 22S:179/180 exams (available on ICON) useful in preparing for them.

i. Mid-Term 1 - Friday, the 26th of September (22SH;6:30-8:30pm) - 17%
ii. Mid-Term 1 - Friday, the 17th of October (22SH;6:30-8:30pm) - 17%
iii. Mid-Term 1 - Friday, the 7th of November (22SH;6:30-8:30pm) - 17%
iv. Mid-Term 1 - Friday, the 5th of December (22SH;6:30-8:30pm) - 17%
v. Final - TBA by the registrar’s office - 17%

**Grading**

Undergraduate and graduate students will be treated as two separate groups when it comes to assigning final grades.
College of Liberal Arts & Sciences: Policies and Procedures

- **Administrative Home of the Course**

  The administrative home of this course is the College of Liberal Arts and Sciences, which governs academic matters relating to the course such as the add/drop deadlines, the second-grade-only option, issues concerning academic fraud or academic probation, and how credits are applied for various graduation requirements. Different colleges might have different policies. If you have questions about these or other CLAS policies, visit your academic advisor or 120 Schaeffer Hall and speak with the staff. The CLAS Academic Handbook also contains important CLAS academic policies.

  http://clas.uiowa.edu/faculty/teaching-policies-resources-syllabus-insert

- **Electronic Communications**

  University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences.

  http://clas.uiowa.edu/faculty/teaching-policies-resources-syllabus-insert

- **Accommodations for Disabilities**

  A student seeking academic accommodations first must register with Student Disability Services and then meet with an SDS counselor who determines eligibility for services. A student approved for accommodations should meet privately with the course instructor to arrange particular accommodations.

  www.uiowa.edu/~sds/

- **Academic Honesty**

  All CLAS students or students taking classes offered by CLAS have, in essence, agreed to the College’s Code of Academic Honesty: "I pledge to do my own academic work and to excel to the best of my abilities, upholding the IOWA Challenge. I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled.

  clas.uiowa.edu/students/handbook

- **CLAS Final Exam Policies**

  The final examination schedule for each class is announced by the Registrar generally by the fifth week of classes. Final exams are offered only during the
official final examination period. No exams of any kind are allowed during the last week of classes. All students should plan on being at the UI through the final examination period. Once the Registrar has announced the date, time, and location of each final exam, the complete schedule will be published on the Registrar’s web site and will be shared with instructors and students. It is the student’s responsibility to know the date, time, and place of a final exam.

- **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 appropriate, and next with the departmental DEO. All complaints must be made within six months of the incident.

  [link](clas.uiowa.edu/students/handbook)

- **Understanding Sexual Harassment**

  Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI Comprehensive Guide on Sexual Harassment for assistance, definitions, and the full University policy.

  [link](www.sexualharassment.uiowa.edu/)

- **Reacting Safely to Severe Weather**

  In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Department of Public Safety website.

  [link](police.uiowa.edu/stay-informed/emergency-communication/)

- **Student Classroom Behavior**

  The ability to learn is lessened when students engage in inappropriate classroom behavior, distracting others; such behaviors are a violation of the Code of Student Life. When disruptive activity occurs, a University instructor has the authority to determine classroom seating patterns and to request that a student exit the classroom, laboratory, or other area used for instruction immediately for the remainder of the period. One-day suspensions are reported to appropriate departmental, collegiate, and Student Services personnel (Office of the Vice President for Student Services and Dean of Students).
• Missed Exam Policy

University policy requires that students be permitted to make up examinations missed because of illness, mandatory religious obligations, certain University activities, or unavoidable circumstances. Excused absence forms are required and are available on the Registrar web site.

www.registrar.uiowa.edu/forms/absence.pdf