

## **Math 384 Mathematical Theory of Interest 2009**

### **Course Information**

Instructor: Robert Rundle

Contact: rundler@mast.queensu.ca

Room: Jeff 127

Time Slot: 015

Time: Tuesday, 12:30-13:20 and Friday 13:30-14:20

Office Hours: Thursday 11:30-12:20 Jeff 127 and by appointment

Website: <http://www.mast.queensu.ca/~math384/>

Note: There is no tutorial for this class. I will be happy to help you during my office hours. Also, the Math Help Centre in Jeffery 201 is a great resource. You don't need an appointment; you just drop in and ask your questions. The Math Help Centre hours are available online at <http://www.mast.queensu.ca/help/index.php>

### **Text Books**

Title: Mathematics of Investment and Credit 4<sup>th</sup> Edition

Author: Samuel A. Broverman

It can be found in the book store

### **Marking Scheme**

Tests: 50%

Exam: 50%

Tests will be held in class every second Friday. The dates are as follows:

September 25 2009

October 9 2009

October 23 2009

November 6 2009

November 20 2009

December 4 2009

*Your best five tests will be used to calculate your mark. There will be no makeup tests at all.*

### **Topics**

Time Value of Money (1.1-1.7)

Annuities (2.1-2.4 excluding 2.4.2 and 2.4.3)

Loans (3.1-3.3 excluding 3.2.1 and 3.2.2)

Bonds (4.1-4.3.1)

General Cash Flow and Portfolios (5.1-5.3, 6.1 and 6.3 excluding 5.1.4, 5.3.2 and 5.3.2)

Immunitization (7.1-7.2, 8.1, 8.3.1 and 8.4.1-8.4.2)

## **Academic Integrity**

Academic integrity is constituted by the five core fundamental values of honesty, trust, fairness, respect and responsibility (see [www.academicintegrity.org](http://www.academicintegrity.org)). These values are central to the building, nurturing and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the Senate Report on Principles and Priorities)

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments conform to the principles of academic integrity. Information on academic integrity is available in the Arts and Science Calendar (Academic Regulation 1), on the Arts and Science website (see <http://www.queensu.ca/calendars/artsci/pg4.html>), and from the instructor of this course.

Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.