

COURSE INFORMATION SHEET

Spring 2007

1. **Course:** ACSC 325—The Theory of Interest
Lecture/Time: MWF 8:00-9:50
Location: MS431
Instructor: Li Zhang
Office/Phone/Email: SH241 403-220-8809 lizhan@ucalgary.ca

2. **Prerequisites:** Mathematics 253 or 263; or Mathematics 249 or 251 or Applied Mathematics 217 with the permission of the Division

NOTE: The Faculty of Science policy on pre- and co-requisite checking is outlined in the current University Calendar (see www.ucalgary.ca/pubs/calendar) *Faculty of Science, section 5C*. **It is the students' responsibility to ensure that they have the pre- and co-requisites for the course, and if they do not they will be withdrawn from the course without notice.**

3. **Fee policy:** After the last day to drop/add courses, there will be no refund of tuition fees if a student withdraws from a course, courses or the session.

4. **Academic Accommodations:** It is the student's responsibility to request academic accommodations. A student with a documented disability who may require academic accommodation must register with the Disability Resource Centre to be eligible for formal academic accommodation. DRC registered students are required to discuss their needs with the instructor no later than fourteen (14) days after the start of this course.

5. **The University policy on grading and related matters** is described in the current University Calendar, *Academic Standings*. In determining the overall grade in the course, the following weights will be used:

<i>Two Mid-terms</i>	60%
<i>Final Exam</i>	40%

There will be a final examination scheduled by the Registrar's Office. The tests and final exam will be close book. Calculators are permitted.

6. **Missed Components of Term Work.** The regulations of the Faculty of Science pertaining to this matter are outlined in the current University Calendar, *Faculty of Science, section 6A*. It is the student's responsibility to familiarize herself/himself with these regulations.

7. **Academic misconduct** (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the current University Calendar. See: <http://www.ucalgary.ca/honesty/>

8. **Dates and times of class exercises held outside of class hours (evening tests, Saturday laboratory examinations, weekend field trips, etc.):**

**** THERE WILL BE NO OUT-OF-CLASS-TIME ACTIVITY. ****

REGULARLY SCHEDULED CLASSES HAVE PRECEDENCE OVER ANY OUT-OF-CLASS-TIME ACTIVITY. If you have a conflict with this out of class time activity, please inform your instructor at least one week in advance of the activity so that other arrangements may be made for you.

Date: _____

Department approval _____



Faculty of Science
 DEPARTMENT OF MATHEMATICS AND STATISTICS
 Course Information Sheet-- additional information
ACSC 325 – Spring 2007

1. Course: ACSC 325 – The Theory of Interest – Fall 2006

Title	Days	Time	Location	Instructor	Office	Phone
LEC	MWF	8:00-9:50am	MS 431	Li Zhang lizhan@ucalgary.ca	SH241	220-8809
TUT	MW	10:00-10:55am	MS431			

3. Text book: The theory of Interest, 2nd (1991), by Stephen G. Kellison; R.D. IRWIN

4. Course overview: The course is designed to provide an understanding of the fundamental concepts of financial mathematics and how these concepts are applied. In the course, students will learn the measurement of interest, elementary annuities, general annuities, yield rates, amortization schedules and sinking funds, and bonds.

5. Quizzes and exams dates:

Tests/Final exam	Dates	Weights
Mid-term 1 (50 minutes)	May 30 (Wednesday)	30%
Mid-term 2 (50 minutes)	June 18 (Monday)	30%
Final exam (3 hours)	Final exam period: Jun 27-29 (Wed-Fri) Scheduled by the registrar's office	40%

6. Other important dates

May 14 (Monday)	LECTURES BEGIN
May 16 (Wed)	Last day to change registration in Spring session courses. Balance of fees due. No fee refunds for withdrawals after this date.
May 21 (Monday)	Victoria Day--NO LECTURES
Jun 26 (Tues)	LAST DAY OF LECTURES Last day to withdraw from Spring Session.
Jun 27-29 (Wed-Fri)	FINAL EXAMINATION PERIOD

7. Calculators: The approved calculators by SOA/CAS are the battery or solar-powered Texas Instruments BA-35 model calculator (the official SOA/CAS calculator), the BA II Plus, the BA II Plus Professional or TI-30X or TI-30Xa (the official CAS calculators) or TI-30X II.

8. Course content

Part 1	Introductory	Chapter 1: The measurement of interest Chapter 2: The solution of problems in interest
Part 2	Annuity	Chapter 3: Basic annuity (except 3.6 and 3.10) Chapter 4: More general annuities (except 4.2 and 4.3)
Part 3	Yield Rates	Chapter 5: Yield rates (except 5.7, 5.8 and 5.9)
Part 4	Amortization Schedules and Sinking Funds	Chapter 6: Amortization Schedules and Sinking Funds (except 6.5, 6.7 and 6.8)
Part 5	Bonds	Chapter 7.3 price of a bond 7.4 premium and discount

Self-readings: 7.1, 7.2, 7.7, 8.7 and 8.8 (except options, futures, forwards and swaps)

Additional sections from chapter 7,8 and 9, if time and class interest permit.

9. Other Help

I will be available during the office hours (Friday 10:00-11:30am) or you may make an appointment.

10. Grading system

The student does not have any "right" to certain grade, but is responsible for earning the grades. The student is also encouraged to consult the University Calendar for general grades policy. The instructor has unfettered discretion to evaluate student performance and assign all grades.

A+	Outstanding
A	Excellent-- superior performance, showing comprehensive understanding of subject matter
A-	
B+	
B	Good—clearly above average performance with knowledge of subject matter generally complete
B-	
C+	
C	Satisfactory—basic understanding of the subject matter
C-	
D+	
D	Minimum pass—marginal performance; generally insufficient preparation for subsequent courses in the same subject.
F	Fail—unsatisfactory performance or failure to meet course requirement.

11. Exams

Exams will consist of any or all of the following: multiple choice, true or false questions, and problems. All students must write the tests and final exam on the scheduled dates. **Students missing an exam must contact the instructor ahead of time and a make-up exam will be arranged provided there is a valid reason for their absence. Proper documentation must be submitted prior to approval of any makeup test.** If it is not possible to contact the instructor before the exam, students must do so within 24 hours or will receive a grade of zero.

Email is not an acceptable form of communication regarding missing an exam or setting up a makeup exam. The initial contact must be in person or by phone.

12. Appealing an exam grade

As the grading of any exam is open to human error, please feel free to question your results. Students have fifteen calendar days from the posting of the exam results to appeal an exam grade. Students are encouraged to consult the current University Calendar for more information.

13. ACSC 325 recommended exercises

Chapter	Recommended exercises
1	1, 5, 6, 12, 13, 14, 21, 22, 23, 24, 25, 26, 28, 30, 31, 32, 34, 38, 42, 43, 45, 50
2	6, 8, 9, 10, 13, 14, 18, 19, 20, 25, 27, 31, 33
3	1, 2, 5, 6, 10, 11, 13, 21, 23, 25, 27, 32, 34, 41, 42, 44
4	1, 2, 14, 15, 16, 17, 20, 23, 24, 25, 26, 27, 30, 31, 32, 33, 35, 36, 37, 38, 40a, 42, 43, 45, 49
5	4, 6, 11, 12, 15, 23
6	2, 4, 7, 10, 13, 14, 16, 19, 20, 21, 24, 25, 26, 27, 37, 40, 41, 42
7	5, 8, 9, 12
8	39