

COURSE SYLLABUS

CRN: 21037
Time: 11:00 a.m. - 12:20 p.m., Tuesday and Thursday.
Place: LDB 208
Professor: Damon M. Hay, Ph.D.

Instructor Contact Information

Email: dhay@shsu.edu
Phone: 936-294-3662
Office: Lee Drain Building, Room 410
Office Hours: 1:00 p.m. - 2:00 p.m. Monday, Tuesday, and Thursday, and by appointment.

Course Description (Catalog Entry): This course will derive the mathematical principles of such financial instruments as amount functions, interest rates and yields, force of interest [sic], special annuity types, bonds, yield curves, and interest rate sensitivity. Also included will be a discussion of the mathematics of financial derivatives. This course covers the content on which the joint Society of Actuaries/Casualty Actuarial Society Exam FM/2 on mathematical interest theory is based. Credit 3. Prerequisite: Grade of C or better in Math 1430. 3.0 Credit hours

Required Textbook: *Mathematics of Interest and Credit*, 6th Edition, Broverman.

Supplies: Scientific calculator. The following are currently permitted on the SOA/CAS Exams: BA-35, BA II Plus, BA II Plus Professional, TI-30Xa, TI-30X II (IIS solar or IIB battery), TI-30XS MultiView (or XB battery).

Grades: Your grade for this course will be based on quizzes, graded assignments and exams.

Quizzes & Graded Assignments	25%
Exam 1	20%
Exam 2	20%
Final Exam	35%

Letter grades will be assigned based on your weighted average according to the following scheme: 90 to 100 = A, 80 to 89 = B, 70 to 79 = C, 60 to 69 = D, and 0 to 59 = F. A grade of D is passing, but does not necessarily satisfy degree requirements. Please keep in mind that there is no additional curve in this class, and no extra credit.

Homework: Homework will typically be assigned each day in class and will be discussed the following class day.

There is no make-up homework for missed class days, but a few of your lowest Daily Grades will be dropped to account for missed days due to legitimate reasons.

Quizzes: Quizzes will generally be given once a week.

Exams: There will be two regular exams and a final exam. The final exam is cumulative. There will be no makeup exams, except for official University-sponsored activities and **documentable and verifiable** emergencies and illnesses. Exams will be given according to the following schedule.

Exam	Date
Exam 1	February 13
Exam 2	April 10
Final Exam	May 10, 12:00 p.m. - 2:00 p.m.

Attendance Policy: Students are expected to attend every class. If class must be missed, the student is expected to get the notes and homework from a classmate.

With few exceptions, students are expected to stay for the duration of class. If you know in advance that you must leave class early, please let your instructor know ahead of time.

Academic Dishonesty: Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom.

Classroom Rules of Conduct: Students are expected to assist in maintaining a classroom environment that is conducive to learning. Students are to treat faculty and students with respect. Students are to refrain from phone use while in the classroom. Under no circumstances are cell phones or any electronic devices, other than a calculator, to be used or seen during times of examination. Students may tape record lectures provided they do not disturb other students in the process.

University Policy on Use of Phones: The use by students of electronic devices that perform the function of a telephone or text messenger during class-time are prohibited except with prior approval from the instructor for emergency use. These devices should not be present during a test or should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty. Failure to comply with this policy could result in expulsion from the classroom or with multiple offenses, failure of the course.

Visitors in the Classroom: Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

Student Absences on Religious Holy Days Policy: Students are allowed to miss class and other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Students remain responsible for all work. See Student Syllabus Guidelines.

Disabled Student Policy: It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Any student with a disability that affects his/her academic performance should contact the Office of Services for Students with Disabilities in the SHSU Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786) to request accommodations.

For more information on these policies, please visit the site

<http://www.shsu.edu/syllabus/>