

## ACTUARIAL APPLICATIONS — “The Study Hall” — MAT 4930

ALL ACT SCI students registered for the actuarial tutorial (i.e. study hall) must attend class on the first Thursday that classes meet, from 5:15–6:30 pm. in 255 FLH.

### Spring 2020

Each academic year term we are happy to offer, with credit for the Actuarial Applications tutorial MAT 4930, a professional seminar to help you prep for an exam. In Spring we offer a seminar for Exam FM. See details below on Page 3 of this syllabus.

**PROGRAM STAFF** Mentors/Tutors: Mr. Hubeyb Gurdogan (hg16b@my.fsu.edu) is the Graduate Teaching Assistant assigned to the program, and keeps student attendance and turn-in records. Kristen Swinski (kls17f@my.fsu.edu) and Michael Madar (mm17as@my.fsu.edu) serve as tutors in the study hall. The instructor of record for this course is Dr. Paris (paris@math.fsu.edu). The instructor for the Exam FM seminar is Dr. Ewald ([ewald@math.fsu.edu](mailto:ewald@math.fsu.edu)). Mrs. Jennifer Anderson (advisor@math.fsu.edu), 205D LOV, is the departmental academic advisor. Dr. Paris’s office is 202A LOV, and his office hours for this semester are 12:30-1:30 Tu, 3:30-4:30 Th, and by appointment. Dr. Ewald’s office is 205C LOV, and his office hours for this semester are 2:00-3:00 Tu, 10:00-11:00 W, and 2:00-3:00 Th.

**ELIGIBILITY** Since 4 repetitions of MAT 4930 Tutorial are required for the B.S. in Actuarial Science, students should enroll in the first semester in which they are eligible: You should first register for MAT 4930 in the term in which you take either MAP 4170 or STA 4321 (or both).

**OBJECTIVES** Each student will make a plan of study and activities to learn more about the actuarial profession and to prepare for early examinations. Also, through participation in the actuarial professional development activities of FSA, the student will learn about the profession, the credentialing procedure, the entry portals, resume preparation, and self-evaluation of capabilities.

**INFORMATION AND COMMUNICATIONS** This syllabus is posted at <http://www.math.fsu.edu/~paris/MAT4930/index.html>. Mr. Gurdogan will keep a spreadsheet showing student performance. It is your responsibility to keep track of your performance. You may check your status during the term by checking Canvas or e-mailing Mr. Gurdogan directly. Dr. Paris maintains the departmental actuarial email alias. Please make sure you are on this alias.

**REQUIRED MATERIALS** No specific materials are required. You may use your study materials from other actuarial science classes for this class.

**MAT 4930 TUTORIAL ATTENDANCE AND REQUIREMENTS** *Be careful to note that we will not count more than 2 attendances or 4 problems in any single week, and that we record attendances in whole number hours; e.g. if you attend for 0.75 hours, then it is recorded as 0 hours.* There are **three** grading standards for 4930, and you must complete each for the ``S'' grade. The grading standards are:

Item 1: **ATTENDANCE: (MINIMUM REQUIREMENTS)**

The study hall is in 216 MCH. During the term, each student must attend and sign in and out for at least 14 scheduled tutorial periods of at least 60 minutes. **No partial hours will be counted.** If you miss a week's attendance, you may make it up, but not more than 2 periods toward the 14 will be counted in any given week. All regular sessions are at least 75 minutes long to allow sign-in and sign-out and a good working period. You must work the entire period for credit. The study hall is closed during spring break and final's week, as well as for all university holidays. The current hours are: (K – Kristen, M – Michael)

M: 1:15 – 2:30 (M)

T: 12:30 – 3:00 (MK)      5:30 – 6:45 (M)

W: 3:30 – 6:00 (KK)

R: 9:30 – 12:00 (KM)      3:30 – 4:45 (Ashely Fett)

F: 11:00 – 2:45 (KMM)

Item 2: **PROBLEMS: (MINIMUM REQUIREMENTS)**

Each student will present to a tutor each week at least two carefully worked out written problems of their choice, and so each student needs to have done at least 28 problems by the last session on Friday, April 24<sup>th</sup>. No more than 4 problems will be accepted for credit during any one week.

**Note:** If you are registered for 2 credit hours, then you must double the minimum requirements in Items 1 and 2 above. However, once you pass your second actuarial exam, then you are exempt from Items 1 and 2 above. All students must satisfy the requirements of Item 3 below.

Item 3: **Future Seminole Actuaries (FSA) Activities:**

Students must attend and sign attendance sheet at all Thursday 5:15–6:30 pm FSA meetings and presentations. These are announced by e-mail.

For each FSA presentation missed, no matter whether the absence is excused or unexcused, **two** make-up lecture attendances must be completed. Attendance at the math department ``Colloquium'' (most Fridays at 3:30 in 101 LOV) can be used, as well as attendance at other departments' (e.g. economic, finance, statistics, risk management and insurance) seminars are acceptable.

For credit making up a missed FSA presentation, e-mail Mr. Gurdogan telling him (1) why you missed; (2) what you attended (day, time, speaker, topic); and (3) a typed one page single-space document describing the lecture. No credit will be given for just copying the announced abstract for the talk!

**EXAM FM/2 SEMINAR ATTENDANCE AND REQUIREMENTS** This syllabus section applies only to those who will be attending the Exam FM seminar. Students who have already passed Exam FM are not eligible to attend this seminar. The seminar takes place in 101 LOV from 5:15 to 7:15 as outlined below. At the last session, there will be a two-hour mock exam. You must attend at least 4 entire seminar sessions to be eligible to take the mock exam. If you score 60% or higher on the mock exam, then you will be exempt from Items 1 and 2 of the grading standards above on Page 2. If you score at least 30% but less than 60% on the mock exam, then you will be required to attend at least 5 of the otherwise required 14 study hall sessions, turning in at least 2 problems during each attendance. If you score less than 30% on the mock exam, then you will be required to attend at least 10 of the otherwise required 14 study hall sessions, turning in at least 2 problems during each attendance.

**You are still responsible for completing Item 3 of the grading standards above.**

The tentative schedule, subject to change by Dr. Ewald, for the seminar is:

- Tuesday, January 14 – Module 1 (Interest and Discount)
- Tuesday, January 21 – Module 2 (Annuities)
- Tuesday, January 28 – Module 3 (Loans and Bonds)
- Tuesday, February 4 – Module 4 (Duration, Term Structure of Interest Rates, Etc.)
- Tuesday, February 11 – Review
- Tuesday, February 18 – Mock Exam

**GRADING** Satisfactory completion of the attendance, problems, and FSA requirements (Items 1 – 3, respectively, on the previous page) is necessary for an “S”, with the exceptions as noted in this syllabus. If you do not complete all of the above requirements, then you will earn a “U” and will have to repeat this tutorial.

**ACADEMIC HONOR POLICY** The Florida State University Academic Honor Policy outlines the University’s expectations for the integrity of students’ academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to “. . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University.” (Florida State University Academic Honor Policy, found at <http://dof.fsu.edu/honorpolicy.htm>.)

**FREE TUTORING FROM FSU** On-campus tutoring and writing assistance is available for many courses at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services’ comprehensive list of on-campus tutoring options - see <http://ace.fsu.edu/tutoring> or contact [tutor@fsu.edu](mailto:tutor@fsu.edu). High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.

#### **SYLLABUS CHANGE POLICY**

Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.

## **AMERICANS WITH DISABILITY ACT**

Students with disabilities needing academic accommodation should:

- (1) register with and provide documentation to the Student Disability Resource Center; and
- (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class. This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center

874 Traditions Way

108 Student Services Building

Florida State University

Tallahassee, FL 32306-4167

(850) 644-9566 (voice)

(850) 644-8504 (TDD)

[sdrc@admin.fsu.edu](mailto:sdrc@admin.fsu.edu)

<http://www.disabilitycenter.fsu.edu/>

## **ACTUARIAL EXAM REGISTRATION**

The currently published registration schedule for upcoming 2020 SOA Preliminary Exams for which the registration deadline has not passed is:

Exam P:      CBT Dates 03/20/20 – 03/31/20; (Registration Deadline: 02/18/20)  
                 CBT Dates 05/15/20 – 05/26/20; (Registration Deadline: 04/14/20)  
                 CBT Dates 07/14/20 – 07/25/20; (Registration Deadline: 06/16/20)  
                 CBT Dates 09/10/20 – 09/21/20; (Registration Deadline: 08/11/20)  
                 CBT Dates 11/12/20 – 11/23/20; (Registration Deadline: 10/13/20)

Exam FM:     CBT Dates 02/14/20 – 02/25/20; (Registration Deadline: 01/14/20)  
                 CBT Dates 04/09/20 – 04/20/20; (Registration Deadline: 03/10/20)  
                 CBT Dates 06/11/20 – 06/22/20; (Registration Deadline: 05/12/20)  
                 CBT Dates 08/07/20 – 08/18/20; (Registration Deadline: 07/07/20)  
                 CBT Dates 10/14/20 – 10/25/20; (Registration Deadline: 09/15/20)  
                 CBT Dates 12/08/20 – 12/19/20; (Registration Deadline: 11/10/20)

Exam IFM:    CBT Dates 03/13/20 – 03/19/20; (Registration Deadline: 02/11/20)  
                 CBT Dates 07/07/20 – 07/13/20; (Registration Deadline: 06/09/20)  
                 CBT Dates 11/24/20 – 11/30/20; (Registration Deadline: 10/27/20)

Exam STAM: CBT Dates 02/13/20 – 02/13/20; (Registration Deadline: 01/07/20)  
                 CBT Dates 06/23/20 – 06/29/20; (Registration Deadline: 05/26/20)  
                 CBT Dates 10/07/20 – 10/13/20; (Registration Deadline: 09/08/20)

Exam SRM:   CBT Dates 05/08/20 – 05/14/20; (Registration Deadline: 04/07/20)  
                 CBT Dates 09/03/20 – 09/09/20; (Registration Deadline: 08/04/20)

Exam LTAM: Paper and Pencil: Friday, April 24<sup>th</sup>, 8:30 am – 12:45 pm  
                 Registration Deadline: Midnight (Central Time) Monday, March 23<sup>rd</sup>