

Math 416B Actuarial Seminar III: SOA Exam FM Financial Mathematics

**Online: Weekly virtual meeting TUESDAY @11 AM vis Zoom
(Meeting invitation link is announced on Canvas and this syllabus)**

Instructor: Professor Yvonne Chueh
Office: SAMU 218 I (Tel: 963-2124)
e-mail: chueh@cwu.edu
Office hours: by email appointments.
www.cwu.edu/faculty/chueh.

The actuarial seminar for Exam FM prepares students to pass SOA Exam FM. I will facilitate problem discussions, solving, and practicing to reach a mastery level. Pre-reqs: MATH 418B with grades of C or better

**Course Material: 1. Mathematics of Investment & Credit by Samuel A. Broverman, 7th Edition.
2. Study Manual by Actex or Coaching Actuaries recommended.**

Grading plan:

- Attendance: self-assessment combined with Canvas Activities Records (50 points)
- Assignments posted on Canvas (150 points)
- Final Project Presentation, with written work or PPT slides (50 points)
- Final Project Written Report (50 points)

Total: 300 points

A perfect score on both of the above categories would result in a total of 500 points. Your course grade will be determined by the percentage p of these points you earn, according the following scale.

A (100-94%) A- (93-90%) B+ (89-87%) B (86-83%) B- (82-80%) C+ (79-77%)
C (76-73%) C- (72-70%) D+ (69-67%) D (66-63%) D- (62-60%) F (59-0%)

Weekly Topics to master

Week 1	April 8~10	Interest Rates and the Time Value of Money
Week 2	April 13~17	Annuities
Week 3	April 20~24	Loan Repayment
Week 4	April 27~May 1	Bonds
Week 5	May 4~8	Yield Rate of an Investment
Week 6	May 11~15	The Term Structure of Interest Rates
Week 7	May 18~22	Asset-Liability Management
Week 8	May 25~29	Determinants of Interest Rates
Week 9	June 1~5	Interest Rate Swaps
Week 10	June 8~12	Final Exam Week

Yvonne Chueh is inviting you to a scheduled Zoom meeting.





Topic: Math 416B

Time: Apr 14, 2020 11:00 AM Pacific Time (US and Canada)

Every week on Tue, until Jun 9, 2020, 9 occurrence(s)

Apr 14, 2020 11:00 AM

Apr 21, 2020 11:00 AM

Apr 28, 2020 11:00 AM

May 5, 2020 11:00 AM

May 12, 2020 11:00 AM

May 19, 2020 11:00 AM

May 26, 2020 11:00 AM

Jun 2, 2020 11:00 AM

Jun 9, 2020 11:00 AM

Please download and import the following iCalendar (.ics) files to your calendar system.

Weekly: <https://zoom.us/meeting/tZ0tdumppjMtNKfb4Y5kt98G69-O9LHo2g/ics?icsToken=98tyKuGhrjoqG9ydt13tArItA4H9bvHMll9lrKEJpUruF3kLRVWve80bHppwQt-B>

Join Zoom Meeting

<https://zoom.us/j/890101887>

Meeting ID: 890 101 887

One tap mobile

+16699006833,,890101887# US (San Jose)

+13462487799,,890101887# US (Houston)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 346 248 7799 US (Houston)

+1 301 715 8592 US

+1 312 626 6799 US (Chicago)

+1 929 205 6099 US (New York)

+1 253 215 8782 US

Meeting ID: 890 101 887

Find your local number: <https://zoom.us/j/ab9WZs7DI2>

A word of Wisdom: Early and clear communication is the key to your success in every class, including this one, besides your hard work, which is a GIVEN I assume from you. Please work with me and the classmates, talk to me if there is anything that you might need additional assistance or help. We are forming a learning community in Math 416B, and I am excited to see how the class can facilitate the completion of your senior project. Now Go do the work! By going through the documents on Canvas, then bring me your questions!