Syllabus for MFM 5022

chris bemis

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This course is the second of the 5021-5022 sequence in the Masters in Mathematical Finance program. The objective of the current course is to introduce core ideas behind futures, options, and derivatives pricing, especially in the context of market pricing.

Class Location and Time

We will meet on Tuesdays from 1/21/2020 to 4/28/20, with the final held on 5/5/20. Class time will be from 5:30-8:50 in Civil Engineering 212. The final will be in this same room.

Contact

I will hold office hours. The times and date will be determined in class during the first week.

In addition, you may contact me at

bemis(at)math(dot)umn(dot)edu

Include this exact subject line:

MFM 5022

in your subject line, or I will not see your communique.

Your TA is Mike Loper, and his email is

loper012(at)umn(dot)edu

I will post his office hours on my website.

Course Website

The course website may be accessed from my homepage:

www.math.umn.edu/~bemis

Here you will find your assignments, lecture slides, and announcements. You will be expected to check this site regularly for updates.
Texts

The course text is


Assignments

Ten homeworks will be assigned. These will be assigned and due approximately weekly. For homeworks, I do not mind collaboration. However, all final work must be your own. I will not grade homeworks that are near identical - a distinction I reserve the right to make.

Quizzes

Except for week one and weeks with a test, we will have a quiz at the beginning of each class. Your best five quizzes will be considered.

Tests

There will be a midterm during week seven of the term on 3/3/20. There will be a final on 5/5/2020.

Grading

Your final grade in this course will be determined by a weighted average of your homework grades, the midterm, and the final; viz.,

\[
\text{Grade} = 0.25 \cdot \text{Homework Score} + 0.10 \cdot \text{Quiz Score} + 0.30 \cdot \text{Midterm} + 0.35 \cdot \text{Final}
\]

Grading will conform to the University’s definitions and will be curved.

University Policies

Inquiries regarding any changes of grade should be directed to the instructor of the course; you may wish to contact the Student Conflict Resolution Center (SCRC) in 211 Eddy Hall (624-7272) for assistance.

Students with disabilities that affect their ability to participate fully in class or to meet all course requirements are encouraged to bring this to the attention of the instructor so that appropriate accommodations can be arranged. Further information is available from Disabilities Services (230 McNamara).

University policy prohibits sexual harassment as defined in the December 1998 policy statement, available at the Office of Equal Opportunity and Affirmative Action. Questions or concerns about sexual harassment should be directed to this office, located in 419 Morrill Hall. The University Senates academic policies are available at

http://www1.umn.edu/usenate/usen/policies.html

The University's Student Conflict Resolution Center website is

http://www1.umn.edu/sos/index.html