

MA 412: Topics in Contemporary Math — Course Calendar

Spring 2026 Course Calendar

The table below lists the planned schedule for this course. See the [course syllabus](#) for additional course information. Typos are possible. You are responsible for tracking university closures, final exam schedules, etc. through the [NC State University Academic Calendar](#).

Due dates for assignments should be confirmed through Moodle, always check the assignments themselves for specific dates. These due dates are tentative based on the start of the semester; dates may change on Moodle without changing on this schedule.

MA 412: Topics in Contemporary Math — Spring 2026 Course Calendar

Week	Date Range	Lecture / Session	Sections Covered	Assignments
1	Jan 12 – Jan 16	Lectures 1-2	Introduction to the course; probability review (continuous random variables)	Quiz 1 (due W); Homework 1 (due F)
2	Jan 19 – Jan 23	Lectures 3-4. <i>Martin Luther King Jr. Day</i>	Probability review (discrete and mixed random variables); survival models (start Ch. 2)	Quiz 2 (due W); Homework 2 (due F)
3	Jan 26 – Jan 30	Lectures 5-6	Survival models; actuarial notation; expectation of life (end Ch. 2)	Quiz 3 (due R); Homework 3 (due F)
4	Feb 02 – Feb 06	Lectures 7-8	Life tables (start Ch. 3); life tables and underwriting	Quiz 4 (due W); Homework 4 (due F)
5	Feb 09 – Feb 13	Lecture 9	Select life tables (end Ch. 3)	Quiz 5 (due R); Homework 5 (due F)
6	Feb 16 – Feb 20	Midterm 1. <i>Wellness Day</i>	Midterm 1 (covers Ch. 1-3)	Midterm 1 (opens W-R)
7	Feb 23 – Feb 27	Lectures 10-11	Interest theory; basic annuities	Quiz 6 (due W); Homework 6 (due F)
8	Mar 02 – Mar 06	Lectures 12-13	Basic annuities; insurance benefits: whole life (start Ch. 4)	Quiz 7 (due W); Homework 7 (due F)
9	Mar 09 – Mar 13	Lecture 14	Insurance benefits: term and endowment	

Week	Date Range	Lecture / Session	Sections Covered	Assignments
				Quiz 8 (due R); Homework 8 (due F)
10	Mar 16 – Mar 20	Spring Break		
11	Mar 23 – Mar 27	Lecture 15	Insurance benefits (continued)	Quiz 9 (due W); Homework 9 (due F)
12	Mar 30 – Apr 03	Lectures 16-17	Life-contingent annuities (start Ch. 5); life annuity variations	Quiz 10 (due W); Homework 10 (due F)
13	Apr 06 – Apr 10	Lecture 18	Computing with annuity functions (end Ch. 5)	Quiz 11 (due W); Homework 11 (due F)
14	Apr 13 – Apr 17	Midterm 2	Midterm 2 (covers Theory of Interest, Ch. 4, Ch. 5)	Midterm 2 (opens W-R)
15	Apr 20 – Apr 24	Lectures 19-20	Premium calculation (start Ch. 6); gross premiums	No quiz; No homework
16	Apr 27 – Apr 28	Lecture 21	Portfolio percentile premium principle	Quiz 12 (due T); Homework 12 (due M)

Final exams for courses with set meeting times are determined before the semester begins; find your final exam schedule here: [NC State University Final Exam Calendar](#) for the date and time of all of your final exams. I recommend that you schedule the final exam for this course early in the semester.