Instructor: Nicholas Matteo
Office: 537 Nightingale
E-mail: matteo.n@husky.neu.edu
Office hours: MWR 11:45 am – 12:45 pm (immediately after class)
Lectures: MWR 10:30 am – 11:35 am, West Village G 104
Recitations: Wednesdays, 12 noon – 1 pm in 104 Kariotis, or 3 pm – 4 pm in 435 Ryder

Required Text and Online Homework Access Kit: *Finite Mathematics* by Lial, Greenwell and Ritchey, 3rd Custom Edition for Northeastern University, with *MyMathLab Student Access Kit*.

Our course ID for MyMathLab is matteo13718.

Required calculator: Scientific calculator that is able to compute permutations and combinations (you may not use iPods/iPads/Phones/Laptops as your calculator.)

Resources

Recitations: The focus of the recitation sections is preparation for the weekly quizzes. Students will take a mock quiz, after which the recitation instructor goes over the quiz solutions and answers other questions from students. Any student may attend any section; it is not necessary to register. They will be every Wednesday starting the second week of class.

Math Tutorial Center 540B NI: MTW 10am – 8pm, R 10:30am – 6pm, F 10am – 1pm. You may make appointments online at neumath.mywconline.com.

Course Policies

1. Academic Honesty: Northeastern University is committed to the highest standard of intellectual integrity, with zero tolerance of cheating. All members of the community are expected to maintain complete honesty in all academic work, presenting only that which is their work in tests and assignments.
2. Attendance: Students are expected to attend all classes and are responsible for all information given when they are absent. The best way to learn is to attend every class and pay full attention in class. The use of electronics is strongly discouraged.
3. Grading: This course cannot be taken as pass/fail. Your grade in the course will be determined as follows:

Homework 5%	ICPS 5%	Quizzes 35%	Midterm 15%	Final Exam 40%

93-100 A	90-92 A-	87-89 B+	83-86 B	80-82 B-	77-79 C+
73-76 C	70-72 C-	67-69 D+	63-66 D	60-62 D-	0-59 F

Homework: Online homework is assigned regularly and should be completed in a timely manner.

ICPS: An in-class problem set (ICPS) will be given at least once a week and unannounced. Of the 5 points for an ICPS, 3 points are given for attendance and 2 points for performance. These cannot be made up as they are essentially an attendance grade.

Quizzes: The best 7 out of 9 quizzes will be counted. There is no makeup for missed quizzes unless the absence is University sanctioned (such as jury duty, military duty, athletic absences.) The student must notify the instructor of the absence and make arrangements for a makeup in advance in a timely manner.

Midterm and Final Exam: There will be a one-hour in-class midterm and a two-hour, cumulative, common final exam during the final exam period. No student will be granted a request for a makeup final exam unless it is due to a registrar created conflict or due to a University sanctioned absence.

4. Extra Credit: Students may get up to 2 points by attending recitations (1/2 point for a section, up a maximum of 2 points.) This is the only extra credit that can be earned.

5. Concerns: Students are encouraged to discuss any concerns with their instructors. If you need to talk to someone other than your instructor, you may contact the course coordinator, Dennis Ledis, at d.ledis@neu.edu, or the Undergraduate Chair, Donald King, at d.king@neu.edu.
6. Disabilities: We encourage students with disabilities, including "invisible" disabilities like chronic diseases or learning differences, to discuss with their instructor appropriate accommodations. Your disability must be verified by the Disabilities Resource Center (20 Dodge Hall), which will also provide you with information and assistance.

Syllabus

This course focuses on the development of mathematical thinking and its use in a variety of contexts to translate real-world problems into mathematical form and, through analysis, to obtain new information and reach conclusions about the original problems. Topics include symbolic logic, logical arguments, sets, counting principles, and topics in probability theory and basic statistics.

Calendar (This is an approximate guide and subject to change)

Week 1: 6.1, 6.2 – Statements, truth tables and equivalent statements

Week 2: 6.3, 6.4 – Conditional statements, equivalence and simplification of statements / Quiz 1 (6.1 – 6.2)

Week 3: [MLK 1/21] / 6.5 – Analyzing arguments with proofs / Quiz 2 (6.3 – 6.4)

Week 4: 7.1, 7.2 – Sets, Venn diagrams / Quiz 3 (6.5)

Week 5: 7.3, 7.4 – Basic probability / Quiz 4 (7.1 – 7.2)

Week 6: Review for Midterm / Quiz 5 (7.3 – 7.4)

Week 7: [Presidents' Day 2/18] / Review for Midterm / Midterm Exam (6.1 – 7.4)

Week 8: 7.5, 7.6 – Conditional probability, independent events, Bayes' Theorem

Week 9: [Spring Break 3/3 – 3/10]

Week 10: 8.1, 8.2 – Counting: multiplications principal, permutations, combinations / Quiz 6 (7.5 – 7.6)

Week 11: Problems from 8.1, 8.2 / 8.3 – Applications of counting / Quiz 7 (8.1 – 8.2)

Week 12: 8.4 – Binomial probability / Problems in 8.3, 8.4 / Quiz 8 (8.3)

Week 13: 8.5 – Expected value / Review / Quiz 9 (8.4 – 8.5)

Week 14: Catch up / Review

Week 15: [Patriots' Day 4/15] Review for Final

Final Exam: 3:30–5:30pm Monday, April 22 (location will be available on Banner)

Addendum on online homework

You will register the access code that came with your textbook at mymathlab.com with the course ID matteo13718. You may also purchase an access code separately on the site if you purchased your textbook used.

Common problems: The most common technical issue is allowing popups and cookies (including third-party cookies) for your browser. You must do this on every browser you use. The most recommended browser is Google Chrome if your particular browser is giving issues. The second most common issue is remembering your login and password. Please keep a hard copy of this information somewhere where you can find it easily.