

MATH M118 Finite Mathematics: General Course Policies – Fall 2018

Course materials on the web: Visit <https://math.iupui.edu/math/undergraduate/courses> and click on “MATH-M118” for practice tests, info about computerized testing, online homework, course objectives, and answers to selected textbook problems.

Canvas: Your instructor has selected Canvas as the site to host your section’s class resources. Check this site regularly (several times per week) during the semester for important course documents, announcements, to view your grades, and to communicate with your instructor.

Text: All students registered for MATH M118 will be billed through their bursar accounts for access to the eText and the online homework in Pearson’s MyLabsPlus. The eText is a custom, electronic version of *Finite Mathematics*, by Jeffrey Watt, Pearson Custom Publishing. Therefore, students are not required to purchase anything from the bookstore, as they will be automatically billed for the eText and access to MyLabsPlus. **If students want a printed version of the text, in addition to the required eText, they may purchase a copy from the bookstore: ISBN 9781323762905.**

Prerequisite: MATH 11000 or 11100 taken within last 3 terms with a grade of C– or better or an ALEKS placement score of 58 or greater taken within last 12 months. Note: ALEKS placement test scores will be compared against SAT/ACT Math scores. Additional testing may be required.

Course Description and Objectives: 3 credits. Topics include set theory, permutations, combinations, simple probability, conditional probability and independence, Bayes’ theorem, Bernoulli trials, central tendency, expected value and standard deviation, normal distributions, normal approximation to a binomial variable, matrix algebra, linear programming, and Markov chains.

Student Learning Outcomes:

- Ability to use the basic language and concepts of set theory, combinatorics, probability, statistics, linear equations, linear programming, matrix algebra, and Markov chains to understand and solve problems.
- Ability to understand and apply techniques from a variety of mathematical approaches including sets, permutations, combinations, basic probability, conditional probability, Bayes’ formula, binomial probability, expected value and standard deviation, Z-scores and the standard normal distribution, matrix operations, linear systems of equations and inequalities, the fundamental theorem of linear programming, and transition matrices for Markov chains.

IUPUI Principle of Undergraduate Learning:

PUL 1(d): Core Communication and Quantitative Skills: The ability of students to express and interpret information, perform quantitative analysis, and use information, resources, and technology.

Calculators: There is a required calculator for this course: TI-30Xa. *No other calculators are permitted on tests. This will be enforced on all tests and final exam.*

Attendance: Attendance is crucial for success in this course and is required of all students without exception. A student absent from class bears full responsibility for all material covered in class. **Students who miss more than 50% of the class meetings and activities during the first quarter of the semester without contacting their instructor or department may be Administratively Withdrawn from the course.**

Withdrawal: Be sure to check the academic calendar for this semester (<https://studentcentral.iupui.edu/calendars/official-calendar.html>) to find the withdrawal deadlines for this semester. Do not depend on the Administrative Withdrawal: if you stop attending class without withdrawing, you will fail the class.

Religious Holidays: IUPUI respects the right of all students to observe their religious holidays and will make reasonable accommodation, upon request, for such observances. Students seeking accommodation for religious observances must make a request in writing by the end of the 2nd week of the semester to the course instructor and should use the Request for Course Accommodation Due to Religious Observance Form. Detailed information may be found at <http://registrar.iupui.edu/religious.html>

Practice Homework / Studying: A suggested list of textbook study problems is posted on the MATH M118 website. It is important that you attempt these problems as the material is covered. Some exam questions will be based on problems from this list. While we will only have time to go over a few problems from each section in class, answers to the odd-numbered problems can be found on the MATH M118 website. You should expect to spend several hours each day working problems and reading the sections as they are lectured in class.

Student Services: There will not be enough time in class to answer all questions from the homework, tests, etc. If you need more time to ask questions, you can see your instructor during their office hours, or visit the MAC (Math Assistance Center). The MAC is in the basement of Taylor Hall and is open 6 days a week. Go to <http://mac.iupui.edu/> to find their available hours and services. You are strongly encouraged to work together and utilize the MAC.

Special Services: Students who need accommodations because of a disability should register with Adaptive Educational Services and complete the appropriate forms issued by AES before accommodations will be given. The AES office is located in Taylor Hall (UC) room 100, or call 274-3241.

Computer Testing

During the fall and spring semesters (not during summer sessions), tests for MATH M118 will be administered on desktop computers in the Testing Center (SL 070) during a scheduled 5-6 day period of time (see your Class Schedule in Canvas). A test reservation is required for each test (instructions for making test reservations will be posted by your instructor). Four 90-minute computer tests and a 2-hour computer final exam will be given during the semester. You must take each computer test within the scheduled testing window – no make-ups will be given after the testing period ends.

A missed test will be recorded as zero. Each test can only be taken once. **The lowest of your scores from Tests 1-4 will be dropped.**

Testing Center Hours: Mon-Thur 9 – 8, Friday and Saturday 9 – 6. Please note that the testing lab is NOT open for Math M118 testing on Sunday. **Also note that testing ends at 8 pm Mon-Thur and at 6 pm Friday and Saturday, regardless of what time you begin your test.**

Final Exam: The final exam is a mandatory, comprehensive, departmental, computerized exam. Check your instructor's Syllabus for the final exam testing window for your section of Math 118 (note: it is always sometime the week BEFORE regular final exams week). **It is mandatory to take the final exam. You cannot drop or replace your final exam score. The final exam has the weight of TWO tests (i.e. it is worth 200 points).**

Assessment: Your course grade is determined by the total of your 700 points earned from computer homework (100 points), instructor-specific assignments (100 points – usually quizzes/graded problem sets/written in-class activities), best 3 of 4 tests (300 points), and the final exam (200 points). For more details about the grading, refer to the class policies/syllabus for your specific section/instructor.

Grading Scale: You can expect the following grade ranges (Note: this is a more lenient scale than the standard university scale; therefore, NO EXAM SCORES WILL BE CURVED). Final grades are NON-NEGOTIABLE.

A+ 97–100%, A 92-96%, A- 88-91%, B+ 85-87%, B 81-84%, B- 78-80%, C+ 75-77%, C 70-74%, C- 65-69%, D+ 62-64%, D 55-61%, D- 50-54%, F below 50%

Incompletes: Grades of Incomplete will only be given in accordance with the university policy available at <https://studentcentral.iupui.edu/grades-progress/incompletes.html> . Specifically, students must be passing at the 3/4 mark of the semester to qualify for assigning an incomplete. The instructor must agree that an incomplete is appropriate and it must be approved by the Associate Chair of the Department of Mathematical Sciences.

Student Engagement Roster: This semester your instructor will be using the Student Engagement Roster (SER) to provide real-time feedback on your performance in this course. Periodically throughout the semester the instructor will be entering data on factors such as your class attendance, participation, and success with coursework, among other things. This information will provide feedback on how you are faring in the course and offer you suggestions on how you might be able to improve your performance. Students can view their submitted SER data through the One.IU tile, Student Engagement Roster (Student).

Dishonesty and Student Misconduct: Cheating will result in a minimum penalty of receiving a grade of F in the course. The IU Code of Student Rights, Responsibilities, and Conduct states that students must uphold and maintain academic and professional honesty and integrity; the code defines academic misconduct as any activity that tends to undermine the academic integrity of the institution. Students engaging in academic misconduct may therefore receive penalties from their course instructor and disciplinary action from the university. Policies against academic misconduct apply to all course-, department-, school-, and university-related activities. Academic misconduct may involve human, hard-copy, or electronic resources and includes but is not limited to the following: cheating, fabrication, plagiarism, interference, violation of course rules, and facilitating academic dishonesty. For definitions of these activities, visit

<http://studentcode.iu.edu/responsibilities/academic-misconduct.html>.

For additional information about the rights and responsibilities of IU students visit <http://studentcode.iu.edu>

MATH M118 Course Coordinator: Should you have questions regarding the content of this course, course requirements, or student/instructor rapport problems, contact the course coordinator, Christopher Dona, at cdona@iupui.edu.

*******CAMPUS-WIDE POLICIES GOVERNING THE CONDUCT OF COURSES AT IUPUI*******

Students are expected to read carefully the IUPUI course policies concerning attendance, academics, and conduct. **Students are expected to visit the Office of the Registrar’s website for university course policies at <https://studentcentral.iupui.edu/> within the first few days of classes as some policies have early deadlines.** Information on university campus-wide course policies related to attendance (Administrative Withdrawal, Disabilities, Emergency Withdrawal, Military Service, Religious Holidays), academic policies (Auditing a class, Grade Replacement, Grade Forgiveness, and Pass/Fail Option), and conduct (Academic Integrity, Academic Misconduct, and Code of Conduct) and related policies can also be accessed in Canvas under the “Syllabus Supplement”, “Campus Course Policies”, and “IUPUI Academic & Student Support Services” links.

CAMPUS-WIDE POLICIES (CONT.)

Education and Title VI: Title VI of the Civil Rights Act of 1964 protects people from discrimination based on race, color, or national origin in programs or activities that receive Federal financial assistance. Programs and activities that receive Federal financial assistance from the United States Department of Education must operate in a non-discriminatory manner. These may include, but are not limited to: admissions, recruitment, financial aid, academic programs, student treatment and services, counseling and guidance, discipline, classroom assignment, grading, vocational education, recreation, physical education, athletics, housing, and employment, if it affects those who are intended to benefit from the Federal funds.

<http://www2.ed.gov/about/offices/list/ocr/docs/hq43e4.html>

IUPUI Policy on Sexual Misconduct: As your instructor, one of my responsibilities is to create a positive learning environment for all students. Title IX and IU's Sexual Misconduct Policy prohibit sexual misconduct in any form, including sexual harassment, sexual assault, stalking, and dating and domestic violence. If you have experienced sexual misconduct, or know someone who has, the University can help.

If you are seeking help and would like to speak to someone confidentially, you can make an appointment with:

Counseling & Psychological Services (CAPS) at 317-274-2548 (counseling services)

Confidential Advocacy Resources at 317-274-2503 (advocacy and advice services)

IUPUI Student Health Center at 317-274-2274 (University Blvd. location) or
317-274-8214 (West Michigan St. location) (health and medical services)

It is also important that you know that Title IX and University policy require me to share any information brought to my attention about potential sexual misconduct, with the campus Deputy Title IX Coordinator or IU's Title IX Coordinator. In that event, those individuals will work to ensure that appropriate measures are taken and resources are made available. Protecting student privacy is of utmost concern, and information will only be shared with those that need to know to ensure the University can respond and assist.

I encourage you to visit stopsexualviolence.iu.edu to learn more.