Syllabus for Math M118 (Draft)
Fall 2016, Sections: 26022
http://www.math.iupui.edu/~momran/m118/

Instructor : Maan Omran

Textbook: Finite Mathematics, 2nd Ed., by Jeffrey Watt, Hayden-McNeil Publishing Co,
ISBN 978-0-7380-4488-0 (*Any edition 2011 to present is fine*)

Contact Information:

- **By e-mail**: momran@iupui.edu
  In order for your e-mail to be processed, you must Use the correct e-mail address above and start your e-mail by writing:
  1. Your name
  2. Your class ID number (will be given in class later, DO NOT use your SSN)
  3. The course you are taking and The purpose for your e-mail
  Otherwise, your e-mail will be ignored and not processed

  Important: Make sure to use your *iupui.edu* e-mail account instead of commercial accounts such as yahoo, hotmail, gmail…etc. Most commercial accounts get stopped by the server as spam e-mails.

  - **By Phone**: ONLY in case of emergency or if you have no access to e-mail: Math Department: **274-6918** (leave a message with your name, Class ID and course number)

- **Office hours**: 15 minutes before and after class, or by appointment

Prerequisite: By placement test or two years of high school algebra as evidenced by Math 110 or 111, with minimum grade C-.

M118 Course Description and Objectives: 3 credits. Topics include set theory, permutations, combinations, simple probability, conditional probability and independence, Bayes' theorem, Bernoullli trials, expected value and standard deviation, , matrix algebra, Linear programming and Markov chains.

Grading Policy:

Materials	Points	% of Total
Class-Work: Homework, Attendance, and Quizzes	150 p	**24%**
Tests: 4 tests (100p each, dropping lowest)	300 p	**46%**
Final Exam	200 p	**30%**

Grade Scale: After taking the final, If your average is below 60% then it is *F* and if your average is:

90 -100% then it is *(A-, A)*	70-79% then it is *(C-, C, C+)*
80- 89% then it is *(B-, B, B+)*	60- 69% then it is *(D-, D, D+)*

Note The score of *A+* is only given to students with 98% as a final average after taking the final exam with an *A* in the final exam and a 97% or more in: in ALL tests (including the lowest) and in homework and attendance.

- **Incompletes:** Grades of Incomplete will only be given in accordance with the university policy available at http://www.registrar.iupui.edu/incomp.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.

- **Withdrawal Dates**: The last day to withdraw with a grade of W is November 11. You will need signatures from your instructor and advisor. **No drop slips will be signed after November 11**. **Do not depend on the Administrative Withdrawal: if you stop attending class without withdrawing, you will fail the class**

How Class-Work points is calculated: *Please read carefully*

- Homework problems are assigned and you are responsible to complete them in order to be prepared for the tests. Some homework assignments might be collected if needed, so please: always be prepared when the assignment is due. When a homework is collected, it will be counted as a quiz, with no delay or replacement

- During the lecture and at anytime, you will be asked one or two questions using the Attendance/Quiz sheet. The questions are mainly from homework that is due at the time, or from examples solved during the lecture of the quiz.

- If you answer correctly, then you will get points for attendance and the quiz. Otherwise, just for attendance for that day with zero or partial credit for the quiz.

- **Important**: Texting, using Smartphone or any electronic (except calculator) during the class means: -5 points for attendance and -5 points for the quiz involved.

  In a way: It is better **not** to attend and get zero, than -5 points for penalty disturbing the class and the others around you.

- **In calculating the Class-Work points:**

  Lowest 2 attendances will be dropped
  Lowest 2 quizzes will be dropped
  Lowest online homework (only one) will be dropped**.**

- Online Homework assignments are managed by the math department and are Online only**.**

- **You should always have a printout of the Attendance/Quiz or Homework Cover that are available on the web to download.**

Important Notes:

- The **Mentor Program** and Mathematics Assistance Center (**MAC**) are very valuable and strongly recommended. There are free tutoring and help available for you to use.

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

- If you have to bring a child to class for any reason, then you must speak to me first. **DO NOT** bring a child without talking to me first and make sure it does not happen more than twice during the semester.

- **Accommodations**: Students needing accommodations because of a disability will need to register with Adaptive Educational Services (AES) and complete the appropriate forms issued by AES before accommodations will be given. The AES office is located in Taylor Hall, UC 100. You can also reach the office by calling 274-3241. Visit http://aes.iupui.edu/ for more information..

- **Academic Integrity** Cheating will result in a minimum penalty of receiving a grade of F in the course. The IUPUI Department of Mathematical Sciences expects all students to adhere to the regulations put forth in the "IUPUI Code of Student Rights, Responsibilities, and Conduct" concerning academic misconduct or personal misconduct. Procedures for imposing academic and disciplinary sanctions are outlined in the Code.   The Code can be found at: http://studentaffairs.iupui.edu/student-rights/student-code/

- **Campus-Wide Policies Governing the Conduct of Courses at IUPUI:** These can be found at http://registrar.iupui.edu/course_policies.html, with links to specific policies in the general areas of attendance, academic policy, conduct and related policies.

- **Administrative Withdrawal:** A basic requirement of this course is that you will participate in all class meetings and conscientiously complete all required course activities and/or assignments. Keep in touch with me if you are unable to attend, participate, or complete an assignment on time. If you miss more than half of the required activities within the first 25% of the course without contacting me, you may be administratively withdrawn from this course. Administrative withdrawal may have academic, financial, and financial aid implications. Administrative withdrawal will take place after the full refund period, and if you are administratively withdrawn from the course you will not be eligible for a tuition refund. If you have questions about the administrative withdrawal policy at any point during the semester, please contact me.

- **It is a university rule**: No Food or Drinks allowed in classroom**.**

- **Extremely Important: Tech Free , Unplugged Class Room Rule:**
  Due to many previous complains from other university offices and from students:
  Absolutely **No use of any electronic devices (except the approved calculator)** during the class.
  If You Have to use the Smartphone for an emergency, then please let me know in advance. Otherwise, as soon as the lecture starts: All electronic devices **MUST be turned off**, no expectation.
  Please remember: It is better not to attend the class at all, than attending and getting caught texting, browsing the internet or using any electronic device except the calculator.
    - If you get caught during the lecture, then you might be asked to leave plus heavy penalty in Class-Work points. It has been very disturbing for a lot of students trying to learn while others are texting or browsing.
    - If you get caught during an exam, then it will be reported immediately for an automatic F for the semester. There is No Excuse, No Exception.
  Recommendation: It is not worth the risk, and I am confident that you can manage to disconnect for the 75 minutes that you and other students paid for.
  Feel free to talk to me if you have any question. This is very important to take care of in advance.

Department Notes:

- **Tests:** Four tests will be given, each worth 100 points. A missed test will be recorded as zero. The lowest of your four test scores will be DROPPED. **Tests 1-3 will be administered on desktop computers at the Testing Center in SL 070 during the scheduled testing periods (below).** You must take each test during the given testing period by making a **90-minute reservation using a reservation link** in Canvas (a separate handout with more detailed information about computer testing and making reservations will be posted later). Computer tests are designed to take about 75 minutes, but the time limit is set at 90 minutes to allow for downtime due to technology issues that can arise during computer testing**.**

Test Dates

Test #	Materials	Date
Test #1, Testing Lab	Chapters 2 and 3	Mon Sept 19 – Sat Sept 24
Test #2, Testing Lab	Chapter 4	Mon Oct 10 – Sat Oct 15
Test #3, Testing Lab	Chapters 5 and 6	Wed Nov 2 – Tue Nov 8 (Not Sunday)
Test #4, In Class	Sections: 7.1-7.3, 9.1 and 9.2	Wednesday, Nov 30

Test Times: Monday - Thursday 9a – 8p, Friday and Saturday 9a – 6p. Closed Sunday
Note that testing ends at 8 pm Mon-Thur and at 6 pm Friday and Saturday, regardless of what time you begin your test.

Testing Lab: SL 070, Or **SL Building Room 070 (corner of Michigan & Blackford)**

Testing Center Surveillance System: Portions of this course may be subject to electronic proctoring. Video cameras may be used to monitor the room during exams. Video recordings may be used to investigate or support disciplinary action. All access to and use of video equipment and recordings will follow applicable IU policies.

Final Exam Note: The final exam will be held on Saturday December 10, 1:00 – 3:00 PM.
- Note: this is the weekend before regular final exam week. Be sure that you do not have a conflict with the date and time of the final exam.
- The final exam is a mandatory, paper, comprehensive, departmental exam It counts as 30%. **You must take the final** exam, and your final exam score **cannot be dropped** or replaced.