

Math 1420: Foundation of Mathematics- Section 007, Fall 2020

Class: Tuesday, Thursday

Time: 11.20 AM to 12.45PM

Note: I intend to teach this Course Math 1420 Section 007 online throughout the whole Fall Semester

PREREQUISITE: [MATH 1710](#) with a minimum grade of C- or an ACT MATH subscore of at least 17

Instructor: Manohar Aggarwal

Email: maggarwl@memphis.edu

Communication:

Email is the best way of communication as I check my emails frequently during the day. You may please use my regular UofM email address (maggarwl@memphis.edu). To better serve you please include in the subject line of your email "**MATH 1420 Section 007**". You should also include your name in your message.

Virtual Office Hours: Tuesdays and Thursdays: 9:15 AM to 10:15 AM or by appointment.

I will also be available via **Virtual Office Hours** through web conference or telephone using my cell number: **901-786-8948**. You should also send me your phone number so that I can add to my contacts.

Textbook: Using and Understanding Mathematics by Bennet and Briggs, A 6th Custom Edition for the University of Mathematics, Pearson Publishers

ISBN Number: 9780136199694. (please make sure when you buy the book it should come with **MyLab Statistics Access Code**)

Instructor Course ID: aggarwal37863 (**no space between my last name aggarwal and number 37863**)

The textbook is required and will come with an online access code that will allow the student to do the on-line homework assignments. Internet access will be required for on-line homework assignments.

Book/Access Code: If you have any question about the purchase of the book or about MYSTATLAB then you can contact Nicholas Umerberger through email at Nicholas.umberger@pearson.com

Course Description: (3 credit hours.) Basic logic: propositions and truth values, recognizing fallacies, sets and Venn Diagrams, analyzing arguments; approaches to problem solving; managing finances: compound interest, savings plans and investments, loan payments, credit cards and mortgages; fundamentals of statistical reasoning.

Course Objective: To expand the student's ability to think logically, problem solve, manage finances, statistics, analyze basic concepts of algebra, and the real number system.

EVALUATION:

There will be three in class tests plus a final exam worth 100 points each. In addition, there will be on-line homework assignments that will count a total of 100 points. The total possible number of points is 500.

The students grade in the course will be based on the percentage of the possible 500 points obtained according to the following scale.

90-100% - A ; 80 - 89% - B; 70 – 79% - C; 60 – 69% - D; Below 60% - F

No makeup tests will be given. If you must miss a test for any reason, your final exam grade may be used to replace the test missed if approved by the instructor. If you miss more than one test you will receive a zero on each test missed after the first. If you miss the final exam you will receive a grade of zero on the final exam.

Homework: Homework is an essential part of the learning process for this course. Problems will be assigned online for students to work out at home. The problems will involve material covered in class. Each homework assignment will have a due date. If the homework is not completed by the due date, the student will receive a grade of zero on that assignment. No replacement grades will be possible for any homework assignments not completed by the due date.

It is very important that you do not miss any test or homework assignments.

Final Exam and Test Dates:

Final Exam: Thursday, November 19, 2020 (8 AM to 10 AM)

Test 1: Thursday, September 17, 2020

Test 2: Tuesday, October 8, 2020

Test 3: Tuesday, November 3, 2020

Syllabus Changes

The Instructor reserves the right to make changes as necessary to this syllabus. If changes are necessitated during the term of the course, the instructor will immediately notify students of such changes by individual email communication.

Student Accommodations

Students with accessibility issues or learning accommodations issues due to a disability should contact Disability Resources for Students (DRS) to submit an official request for course accommodations. Contact DRS at 901.678.2880 or at drs@memphis.edu

Academic Integrity

Plagiarism, cheating and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly, through participation or assistance, are immediately responsible to the instructor of the class in addition to other possible disciplinary

sanctions which may be imposed through the regular institutional disciplinary procedures.
(<https://www.memphis.edu/osa/students/academic-misconduct.php>)

Student Health

Students who have a positive COVID-19 test should contact the Dean of Students at deanofstudents@memphis.edu

Student Resources

Students who need additional resources can visit the Dean of Students Office website at <https://www.memphis.edu/deanofstudents/crisis/index.php>

Class Schedule

Week	Material Covered	Assignment due
Week 1	Chapter 1- Unit 1 A	HW 1 A (9-18-2020)
Week 2	Chapter 1 – Unit 1 B	HW 1 B (9-18-2020)
Week 3	Chapter 1- Unit 1 C	HW 1C (9-18-2020)
Week 4	Chapter 1- Unit 1 D	HW 1D (9-18-2020)
Week 5	Test 1 9-17-2020	
Week 6	Chapter 2- Unit 2 A	HW 2 A (10-9-2020)
Week 7	Chapter 2- Unit 2B & Unit 2 C	HW 2B & 2C (10-9-2020)
Week 8	Test 2 (10-8-2020)	
Week 9	Chapter 3- Unit 3 A	HW 3A (11-6-2020)
Week 10	Chapter 3- Unit 3 B	HW 3B (11-6-2020)
Week 11	Chapter 3- Unit 3C; Test 3 (11-3)	HW 3C (11-6-2020)
Week 12	Chapter 5- Unit 5 A	HW 5A (11-19-2020)
Week 13	Chapter 5- Unit 5 B	HW 5B (11-19-2020)
Week 14	Chapter 5- Unit 5 C	HW 5C (11-19-2020)
FINAL EXAM 11-19-2020		