

Syllabus for Math 207, *Fundamentals of Mathematics III*, Fall 2015

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Office Hours: TuWTh 1:00-2:00pm

COURSE GOALS: This course is the last in a series of three that are required for the IDLS major. Topics covered include algebra, probability, statistics and problem solving. This course partially fulfills the requirements for licensure of prospective early childhood, elementary, and middle school teachers.

TEXT: Reconceptualizing Mathematics for Elementary School Teachers, by Sowder, Sowder and Nickerson. We will cover Chapters 12-14, 27-33 in Math 207.

MathPortal: You have probably already purchased this subscription from the bookstore. For \$10, you will have access to the MathPortal for 2 years. After you purchase the registration, go to <http://courses.bfwpub.com/reconceptmath.php> and click on "register". This is where you will see supplementary materials. Please register before coming to class the first day. I use Math Portal for supplementary material only. Grades will be posted on Canvas and assignments given in class.

SUPPLIES: Simple function Calculator, 3 ring notebook, pencil.

BASIC SKILLS TEST: NO Calculators! Basic math skills test (20 problems) will be used as a tool to determine required proficiency with basic arithmetic and elementary algebra. Before taking the skills test you should review by taking the Practice Basic Skills Quiz and go over the Review of Basic Skills on MathPortal. This is the SAME test you have taken for the last two classes. The test will consist of 20 problems and passing requires at least 18 correct. The test will be given in class on Thursday, September 17. If you miss 2 or fewer, you have passed and earn 50 points. If you miss more than 2, you must see the GA to go over the ones you missed prior to retaking the test. You will have an opportunity to retake the test to reach the required proficiency.

Retake: Date Wednesday October 7 5-8:00 pm in Roop 129.

You will earn 30 points if you miss fewer than 2 on the retake. If you miss more than 2, your score will be 0.

Please note that this test is very important to your grade. If you get 0, your final grade will most likely be lower by a full letter grade. If you pass on the first try, you could significantly improve your final grade. Even though you have taken and hopefully passed this test twice before, you should still study to try and pass it on the first try.

VOCABULARY: Pay careful attention to the vocabulary. To succeed as a math student and teacher, it is essential to know math vocabulary. As you read each section, write each math-related word on a 3x5 note card, along with its definition, symbol (if any) and examples. Not only will this make studying for tests and quizzes much easier, it will also be a useful resource in your future teaching career. There are vocabulary notecards on MathPortal in the Resources Tab, but they may not be worded exactly as I say in the notes. *You do not need to know the definition exactly word for word, but it must be **correct** and **complete** to receive credit on a quiz or exam.*

GRADING: The grading will be assigned on the following scale:

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

There will be no curves and no extra credit. I will assign +/- on an individual basis. WF's will not be assigned. Points are assigned as follows:

- Quizzes (10) - 100 points
- Midterm exams (2) - 100 points each
- Basic Skills Test - 50 points
- Homework - 50 points
- Final exam - 200 points

QUIZZES: There will be a 10 point quiz at the beginning of class each Thursday. This quiz will cover material through the previous class. Quiz questions will be similar (but not identical) to homework and quiz problems on MathPortal. The 10 best quiz scores will be kept, and the rest will be dropped. There will be no make up quizzes given.

MIDTERMS and FINAL: There will be two midterms during the semester worth 100 points each and a final exam worth 100 points. The questions on the exams will be similar to homework questions. If you cannot make it to a scheduled exam, you **MUST** contact the instructor **BEFORE** the exam if at all possible, or if an emergency, **WITHIN 24 HOURS** after the exam if you need to schedule a make up exam. Make up exams will only be given for extreme excuses. A doctor's note or some other physical excuse is required. Dates for exams (subject to change):

Midterm I - TBA
Midterm II - TBA

Final Exam - Section 001 Thursday December 17, 8-10am
Section 002 Tuesday December 15, 10:30am-12:30pm

HOMEWORK/PROJECTS: Homework will be assigned after each chapter in the book. At the end of the semester, I will collect this homework. Please have it neat and well labeled to turn in. There may be group projects that will be assigned. You are encouraged to work together on homework and projects. However, when you write up your papers to turn in, you must do it by yourself. Direct copying or group work is not acceptable to turn in with only your name on it and will be considered a violation of the honor code. All homework grades will be averaged and your homework grade will be out of 50 points.

ADDITIONAL HELP: You are encouraged to work together in this class and form study groups. You may come see me in office hours for help or e-mail me your questions. We also have tutors available in Room 329: Sunday Noon-5pm, Monday - Thursday 9:00am-7:30pm with a few holes. Check the schedule for exact times each day.

HONOR CODE You are to abide by the JMU honor code at all times. Ignorance of the law is no excuse. Cheating will not be tolerated and will be prosecuted to the fullest extent. Please familiarize yourself with the honor code here: <http://www.jmu.edu/honor/code.shtml>

UNIVERSITY POLICIES For University policies for attendance, inclement weather, disability accommodations and religious accommodations, please see: <http://www.jmu.edu/syllabus/>

Math 107, 108, 207 – Student Assistant Hours
329 Roop Hall

Lauren Ford
Charis Good
Chloe Logan
Erin Ouellette

Sunday	Monday	Tuesday	Wednesday	Thursday
	9:00–10:30 AM	9:00 AM–Noon	9:00–11:30 AM	9:00 AM–Noon
	10:30 AM–Noon			
Noon–3:00 PM				
	1:30–4:30 PM	2:00–3:00 PM	1:30–5:00 PM	2:00–3:00 PM
3:00–5:00 PM				
	4:30–7:30 PM	5:30–7:30 PM	5:30–7:30 PM	4:30–7:30 PM

IdLS Student Assistants Tutoring Lab Rules

1. If you come to see the student assistants for help, you **MUST** bring specific questions and you **MUST** show that you have previously made attempts to understand the material or solve a problem.
2. You may not sit in the tutoring lab while doing your homework. Instead, attempt all of your homework on your own and then bring your specific questions to the student assistants.
3. When the tutoring lab is busy (e.g., before the BST, before class exams, etc.), you are limited to 15 minutes at one time.
4. No more than 5 students can be in the tutoring lab at one time.
5. When the student assistants tutoring shift is over, you must leave the tutoring lab (if no other tutor is coming in). In those cases, be aware of the time and ask your most important questions in the remaining 10-15 minutes available.