

COURSE SYLLABUS

Course Info: MAT105, Section 001C – Quantitative Reasoning – 3 Credits
Spring 2020 – MWF 9:10AM – 10:10AM, Room **CHANGE**

Course Description: This course is intended to develop analytic reasoning and the ability to solve quantitative problems. Topics to be covered include construction and interpretation of graphs, functional relationships, descriptive statistics, geometry and spatial visualization, math of finance, exponential growth, and basic probability. Appropriate use of units and dimensions, estimates, mathematical notation and available technology will be emphasized throughout the course.

Text: USING & UNDERSTANDING MATHEMATICS 6th Edition,
by Bennett & Briggs, ISBN: 9780321914620
Book is optional, a MathXL access code is required
Sections: 2AB, 3ABDE, 4BCD, 8AB, 9ABC, 5ABC, 6ABC, 7ABCE, 10ABC

Instructor: Bertrand Tirel

Office: 2835, phone: (920) 832-2637

Office Hours: MT 11:30 – 1:00; WTh 11:30 – 12:00

E-Mail: tirelb@uwosh.edu

Prerequisites: Math 101 with a grade of C or better or placement.

Make-up Policy: Make-up exams will **NOT** be given unless you have a valid reason for the absence. If you feel you have a valid excuse for missing an exam, it is your responsibility to contact me **before** the exam. **Failure to contact me in advance will result in a score of zero on the exam.** (The best way to contact me is via e-mail.)

Attendance: Attending lectures regularly is in your own best interest. When missing a class, the student is responsible for the material covered during that class.

Assignments: There will be Homework and quizzes due each Monday by 1:00PM on MathXL.

MathXL Code: The Course ID is: XL3H-N19T-0020-3PZ2

Exam Schedule: There will be 3 exams evenly spaced through the semester. I will announce the dates and material covered in class and on Canvas a week in advance.

Grading Scale (%):

93	90	87	83	80	77	73	70	67	63	60	59↓
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Grading Policy: Your final grade will be taken out of 1000 possible points, broken into the following components:

3 Midterm Exams – 150 points each

Final Exam – 300 points

MathXL – 250 points (scaled) 90 for HW, 160 for Quiz

Learning Outcomes:

The successful student will understand:

- Basic concepts of unit conversion
 - Elementary practical applications of exponential growth and decay models, including compound interest
 - Elementary applications of descriptive statistics
 - The general ideas which support the concepts of center and variability of data
- Students should be able to:
- Interpret and synthesize information and ideas
 - Select and apply scientific and other appropriate methodologies
 - Solve quantitative and mathematical problems
 - Interpret graphs, tables, and diagrams

Commitment:

The usual guideline is that for each weekly class hour, one should spend two hours on homework. Since there are 3h of class hour in a week, this means that one should expect to spend 6h in a week on homework. These numbers will vary slightly depending on the individual.

Website:

In addition to MathXL, a Canvas course website will be used for announcements, posting lecture notes, keys for exams, and other things.

Calculators:

All students should have a TI-83+ or TI-84+ calculator.

Technology:

Cell phones, laptops, and iPods must be turned off and put away during class.

Misconduct:

All suspected incidents of academic misconduct shall be handled using the UW System rules, Chapter 14.

Accommodations:

The University of Wisconsin Oshkosh supports the right of all enrolled students to a full and equal educational opportunity. It is the University's policy to provide reasonable accommodations to students who have documented disabilities that may affect their ability to participate in course activities or to meet course requirements.

Students are expected to inform Instructors of the need for accommodations as soon as possible by presenting an Accommodation Plan from either the Accessibility Center, Project Success, or both. Reasonable accommodations for students with disabilities is a shared Instructor and student responsibility.

If you are a student with a disability and have an Accommodation Plan, please let me know as soon as possible.

If you have a learning or any other disability that may warrant an accommodation and do not yet have one, please contact Jeri Kukurich (jeri.kukurich@uwc.edu) in the Solution Center. She can help arrange testing if you are not sure if you have a learning disability or if you do not have documentation. You can find more information at this link: <https://www.uwosh.edu/deanofstudents/Accessibility-Center/student-resources>.

In fairness to other students, I cannot give accommodations without the proper paperwork, but please let me know if you are in the process of obtaining accommodations.

Disclosure:

Students are advised to see the following URL for disclosures about essential consumer protection items required by the Students Right to Know Act of 1990: <https://uwosh.edu/financialaid/consumer-information/>

Tentative Exam Dates and Material:

Exam 1: Wednesday January 26th (2AB, 3ABDE)

Exam 2: Wednesday April 1st (4BCD, 8AB, 9ABC)

Exam 3: Wednesday April 29th (5C, 6ABC, 7ABCE)

Final: Wednesday May 13th (cumulative)

Extra-Credit:

For each mathXL homework assignment on which you get a 100%, you will get 1 extra-credit points for a maximum of 27 points. On review days, I will collect the practice exams, and give up to 2 extra-credit points per page (2 if all problems are attempted and done mostly right, 1 if some problems are left blank or some problems are done incorrectly) for a maximum of 24 points.