

Syllabus

Quantitative Literacy

Course: MA 101 4 Credits

Term: Fall 2018

Assistant Professor: Dr. Amy E. Barnsley

E-Mail: abarnsle@nmu.edu.

Office Hours: Jamrich 2210. Monday 10-12, Wednesday 9-11, Thursday 9-11

Optional Textbook: David Lippman, *Math in Society*, 2.4e Electronic version available for free: opentextbookstore.com/mathinsociety

Websites for this class:

Educat: educat.nmu.edu Course documents, gradebook, discussion forums

Course Description: This interdisciplinary course covers a range of mathematical concepts and techniques that will be useful for informed citizens in our information-laden society. The primary focus will be on preparing students to use quantitative reasoning in a principled manner when identifying, formulating, and solving real-world problems.

Learning Outcomes

- Recognize, use, and apply mathematical thinking to solving problems that are part of everyday life;
- Perform simple mathematical computations associated with a quantitative model and formulate conclusions based on the results;
- Communicate logical arguments and their conclusions.

Prerequisites: B- grade or better in **OC080** or satisfactory score on math placement exam.

Technical skills: Student must be able to navigate websites including Educat, and www.myopenmath.com. They must use and check their @nmu.edu email daily. They must know how to use a scanner to scan a multiple page document into one PDF and post this document into Educat. CamScanner is an app for smartphones. The library on campus has a great scanner.

Technology requirements: Computer with internet access, access to scanner, scientific calculator. Does not have to be a graphing calculator.

Grades: Grades are based on the following scale

90-100%	A
80-89%	B
70-79%	C
60-69%	D
0-59%	F

Your grade has the following components:

Participation	10%
Online Homework	10%
Key Questions	10%
Projects	60%
Portfolio Website	10%

Your participation grade is based on your class attendance (logging into educat at least three times per week) and your engagement (doing the activities, asking questions, participation in discussion forums and presentations). Each unit will involve online homework, weekly Key Questions quizzes, as well as inquiry-based projects that are designed to authentically explore the subject matter of each unit. The portfolio website component will be an electronic repository for your projects and a way to share your work with me and others in the class.

TA: Your TA is Katie Ziebell kziebell@nmu.edu She is amazing and is here job is to help you. She will meet with you individually or in small groups. Just email her or talk to her in class.

Disability needs: If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines. Here is the website for disability services: <http://www.nmu.edu/disabilityservices/node/1>

Academic Integrity: Students are expected to do their own work and follow the university academic honesty policy. This policy can be found in the student handbook. See link here: <http://www.nmu.edu/dso/studenthandbook>

Important dates:

Drop: Last day to drop a class with no course record is August 31 5 pm. Drop procedure: <http://www.nmu.edu/records/adddropprocedure>

Withdrawals: Last day for course withdrawal is November 2, 5 pm. I will recommend withdrawal for any student earning below 60%. A W grade and an F grade have the same effect on your full time status. The difference is that an F grade hurts your GPA, but a W grade does not. It always benefits you to get a W, instead of an F. Withdrawal procedure: <http://www.nmu.edu/records/node/19>

Random links I am required to share with you:

Privacy Statement and Accessibility for www.zoom.us <https://zoom.us/privacy>,
<https://zoom.us/accessibility>

Student Handbook: <https://www.nmu.edu/dso/studenthandbook>

Health Center <http://webb.nmu.edu/HealthCenter/>

Online Student Services <http://www.nmu.edu/online/>

Computer Help Desk (IT) <http://it.nmu.edu/helpdesk>

Disability Services <http://www.nmu.edu/disabilityservices/home-page>

Veterans Services <http://www.nmu.edu/veterans/veteran-student-services>

Dean of Students <http://www.nmu.edu/dso/home-page>

Olson Library <http://library.nmu.edu/>

Counseling Center <http://www.nmu.edu/counselingandconsultation/home-page>

Writing Center <http://www.nmu.edu/writingcenter/home-page>

Financial Aid <http://www.nmu.edu/financialaid/home>

Everything else offered on this website: <http://www.nmu.edu/students>