MGF 1106 { Math for Liberal Arts 1 { Spring 2019

Instructor: Dr. Rade Musulin
O ce: SE 217
O ce Hours in SE 217: M 9-11am, Th 10-11am, or by appointment;
SE 350: Th 2-3pm
Class meeting times: MWF 2-2:50pm GS 118 { Section: 001 CRN: 10839
Email: rmusulin@fau.edu
TA contact information: Shaena Fray
sfray2@fau.edu

Credits : 3
Prerequisites : None
Course Description: Systematic counting, probability, statistics, history of mathematics, geometry, sets, logic, measurement. Mathematics for Liberal Arts 1 is one of two courses designed to give the liberal arts student a broad view of both classical and contemporary mathematics, emphasizing ideas while not neglecting the computational aspects. These two courses can be taken in either order.
Course objectives/student learning outcomes:
Upon successful completion of this course, students will be able to:
1. Perform operations on sets and use Venn diagrams to solve survey problems
2. Represent statements symbolically using connectives and quanti ers
3. Use Euler diagrams to identify valid and invalid syllogisms
4. Systematically count elements in a set using the fundamental counting principle
5. Calculate permutations and combinations and use them to solve counting problems
6. Apply counting principles to compute probabilities
7. Understand and compute expected values
8. Organize and represent data visually
9. Use measures of central tendency and dispersion to compare data sets
10. Understand the basic geometric properties of points, lines, planes, angles, and circles
11. Apply the Pythagorean Theorem to solve problems involving right triangles
12. Use dimensional analysis to make conversions between di erent measurement systems
13. Applications of above techniques

Required Materials: Textbook title: Math in Our World 3rd edition with ConnectMath Author: Sobecki/Bluman, Top Hat term subscription, non-programmable scienti c calculator.
Course content:

exam must be obtained from your instructor. Doctor notes from immediate family members are not accepted.

Classroom etiquette policy: The use of smart devices is allowed in the classroom to follow the lecture notes and answer participation questions on Top Hat. The student shall employ such device solely in a manner appropriate to the course work and avoiding distractions or interruptions to fellow students or the instructor. Audio or video recording of the lectures and instructional activities in classrooms without the expressed written consent of the instructor is prohibited. This does not apply to students receiving services from Student Accessibility Services (SAS). When the instructor's consent is given, the materials are for personal use only and are not for distribution or sale in any fashion. See FAU's Code of Student Conduct: https://www.fau.edu/studentconduct/

Attendance Policy: Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The e ect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University- approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting.

Disability policy statement: In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has o(ofTJ/F8sla428(o(ofTen)28(tdi5955 rh)]TJ 0 p8

Tentative Course Outline:

Week	Schedule (tentative)
Week 1 (Week of Jan 7)	Syllabus, 2.1, 2.2
Week 2 (Week of Jan 14)	2.3, 2.4
Week 3 (Week of Jan 21)	Mini Test 1 (CH 2), 3.1, 3.2
Week 4 (Week of Jan 28)	3.2, 3.3, 3.5
Week 5 (Week of Feb 4)	Mini Test 2 (CH 3), 11.1, 11.2
Week 6 (Week of Feb 11)	11.3, 11.4, 11.5
Week 7 (Week of Feb 18)	11.6, 11.7, 11.8
Week 8 (Week of Feb 25)	Mini Test 3 (CH 11), 12.1, 12.2
Week 9 (Week of Mar 4)	SPRING BREAK { NO CLASSES
Week 10 (Week of Mar 11)	12.3, 12.4, 12.5
Week 11 (Week of Mar 18)	12.6, Review, Mini Test 4 (CH 12)
Week 12 (Week of Mar 25)	9.1, 9.2, 9.3
Week 13 (Week of Apr 1)	Mini Test 5 (CH 9), 10.1, 10.2
Week 14 (Week of Apr 8)	10.3, 10.4, 10.5
Week 15 (Week of Apr 15)	Mini Test 6 (CH 10), Final Exam Review

Other Important Dates :
First day of classes: January 7
Last day to drop a course or withdraw without receiving an \F": Friday, April 5
Last Day of class: April 19
Reading days: April 23 { 24
Final Exam: TBA
Holidays: Monday, January 21 (Martin Luther King, Jr., Birthday), March 4-10 (Spring Break)

Email Etiquette : Your emails should include your full name as it appears on Canvas (no nicknames), your z-number and your class times. Your email should be written in a professional manner. Your instructor will make every e ort to respond to your inquiries within 24-48 hours during regular business hours (Monday to Friday between 9:00 am and 5:00 pm).
Communication Policy :
Announcements: You are responsible for reading all announcements posted by the instructor. Check the course announcements each time you log in. You are expected to log in to your Canvas account at least 3 times a week to read all the announcements.
Email: You are responsible for reading all of your course email and responding in a timely manner.
Disclaimer: This syllabus is subject to reasonable changes.