MGF 1106 – Math for Liberal Arts 1 – Spring 2019

Instructor: Dr. Rade Musulin
Office: SE 217
Office 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
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TA contact information: Shaena Fray
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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 quantifiers
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 different 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 scientific calculator.

Course content: We will cover topics from the following chapters: CH 2, CH 3, CH 11, CH 12, CH 9, CH 10.

Grade Distribution:

Homework (ConnectMath)	20%
8 Mini Chapter Quizzes (Top 5 scores)	15%
6 Mini Chapter Tests (Top 5 scores)	40%
Final Exam Cumulative	20%
Attendance/Participation (Top Hat)	5%

Course grading scale:

93 – 100	A	75 – 79	C+
90 – 92	A-	65 – 74	C
87 – 89	B+	60 – 64	D
83 – 86	B	55 – 59	D-
80 – 82	B-	0 – 54	F

Assessment Policies:
1. ConnectMath, Top Hat, Open Lab Hours information will be available in the course announcements.
2. All grades will be posted on ConnectMath. All due dates are posted on ConnectMath.
3. 65% in each HW set is required to unlock quizzes. No exceptions!
4. Late HW submission is allowed with 20% penalty within a week from the posted deadline during Open Lab hours.
5. Give yourself ample time to complete assignments well before the posted due date. Some HW sets may be significantly longer than others.

Make Up Policy:
If you are unable to submit an assignment on time due to very unusual circumstances, it is your responsibility to contact the instructor prior to the due date for consideration for a delayed submission. Circumstances for a delayed submission include situations that seriously disrupt and affect the health and well being of the student. Be mindful that these do not include changes in work schedules, vacations or "computer problems". Makeup exams will be given only under circumstances which coincide with university policy. If you miss a test or quiz, you must provide a written, verifiable excuse within a week from the missed deadline. Request for a make up should be forwarded to the course instructor and documentation for a legitimate excuse must be submitted along with the request. Approval for a makeup

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 effect 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 offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

Counseling and Psychological Services (CAPS) Center: Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual counseling, support meetings, and psychiatric services, to name a few – offered to help improve and maintain emotional well-being. For more information, go to http://www.fau.edu/counseling/

Code of Academic Integrity policy statement: Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001.

Free Math tutoring for FAU students:

The MLC provides the following FREE academic support services for FAU students:

1. Drop-in tutoring in the SAM LAB (Succeed At Methods) in GS207 during all hours of operation

a. ALL METHODS TUTORING is done in the SAM Lab except on Sundays. On Sundays, please visit the MLC as the SAM Lab is closed.

b. Monday –Thursday: 9am – 6pm and Friday: 9am – 4pm

2. Drop-in tutoring in the MLC GS211 during all hours of operation

a. Monday – Thursday: 9am – 6pm, Friday: 9am – 4pm, and Sunday: 1pm – 5pm

3. Small group tutoring by appointment

a. Appointments can be made in TutorTrac. Go to https://tutoring.fau.edu and log in with your FAU ID and password and click on "Search for Availabilities". For Center, choose SAM Lab for Methods of Calculus and Math Learning Center for everything else. Choose your Section (Class) and click "Search". Choose your time and then click "Save". If there are no appointments listed for your course, please email mlc@fau.edu and request an appointment.

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 effort 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.