MGF 1106 SYLLABUS

COURSE INTRODUCTION

MGF 1106, Mathematics for Liberal Arts I is a general education/math course which is not intended to prepare you for Precalculus or Calculus. Instead, this course is meant to cover topics that are broadly applicable both in daily life and in the workplace. This course qualifies for both GenEd and Gordon Rule credits.

Prerequisites: None
Credits: 3
Course Content: Voting methods, Fairness in voting methods, Weighted voting, Fair division, Apportionment, Sampling, Data Representation, Probability, The Normal Distribution, (Population) Growth Models, Symmetry, and Fractal Geometry

This is a **HYBRID COURSE – all content is delivered online; however discussion sections meet on campus**. Students view lectures for each module online, complete online homework and quizzes using the publishers' software MyMathLab. The Three Unit Exams are also completed in MyMathLab but are administered on campus in the evenings. The course management system used for this class is Canvas.

The course is divided into 24 Modules, which are assembled into 3 units:

- **Unit 1 (Module 1 – Module 8):** Unit 1 is generally about the mathematics of fairness. We will cover voting methods, fair division, and apportionment
- **Unit 2 (Module 9 – Module 16):** In Unit 2 we talk about the mathematics of data analysis. This includes data collection, probability, and statistics
- **Unit 3 (Module 17 – Module 24):** Unit 3 is broadly about geometry. We will cover symmetry, fractal geometry, and the golden ratio. Although it doesn't fit thematically, growth models are also included in this unit.

CONTACT INFORMATION

Canvas: https://ufl.instructure.com

Course Coordinator: Dr. Ross Ptacek
Office: LIT 442
Office Hours: Wednesday: 10:00-1:00 pm (or by appointment with 24 hours notice)
Office Phone: (352) 294 – 2306
E-mail: rptacek@ufl.edu

MGF 1106 Class Schedule

Monday	Tuesday	Wednesday	Thursday	Friday
08/20	08/21	08/22	08/23 D0 - Introduction	08/24
08/27	08/28 L1*	08/29	08/30 L2* Q1(L1, L2), D1	08/31
09/03	09/04 L3	09/05	09/06 L4 Q2(L3,L4), D2	09/07
09/10	09/11 L5	09/12	09/13 L6 Q4(L5,L6), D3	09/14
09/17	09/18 L7	09/19	09/20 L8 Q5(L7,L8), D4	09/21
09/24 *Check-Up 1 Exam 1 (L1-L8)	09/25	09/26	09/27 L9 Q6(L9), D5	09/28
10/01	10/02 L10	10/03	10/04 L11 Q7(L10,L11), D6	10/05
10/08	10/09 L12	10/10	10/11 L13 Q8(L12,L13), D7	10/12
10/15	10/16 L14	10/17	10/18 L15 Q8(L15,L16,), D8	10/19
10/22	10/23 L16	10/24	10/25 Q9(L16) D9	10/26
10/29 Check-Up 2 Exam 2(L9-L16)	10/30 L17	10/31	11/01 L18 Q11(L17,L18), D10	11/02
11/05	11/06 L19	11/07	11/08 L20 Q12(L19,L20), D11	11/09
11/12	11/13 L21	11/14	11/15 L22 Q12(L21,L22), D12	11/16
11/19	11/20	11/21	11/22	11/23
11/26	11/27 L23	11/28	11/29 L24 Q13(L23,L24), D13	11/30
12/03 Check-Up 3 Exam 3 (L17-L24)	12/04	12/05 Final Check-Up	12/06	12/07

Final Exam: Monday December 10 at 7:30 AM

***Suggested completion date. Official due dates for lecture completion are in MyMathLab.**

****Checkups are always due at Midnight on Sunday before the Exam on Monday**

COURSE MATERIALS

Textbook: Title: Excursions in Modern Mathematics
Author: Peter Tannenbaum
Publisher: Pearson Education
Edition: 9th Edition

MyMathLab
You are required to use MyMathLab to do your homework, quizzes and exams.
The MyMathLab software has the textbook(e-book) built in it.
You have TWO options of viewing the textbook:
1. You can access the A Survey of Mathematics with Applications e-book available in MyMathLab.
2. A hard copy of the textbook can be purchased at the Campus bookstores

TECHNOLOGY

Canvas is the hub of the course. It is where you will access the lecture videos, view your grades, or post your course questions in the Discussion Boards. It is maintained by UF, and you will need your gatorlink ID and password to access it. The website address is https://ufl.instructure.com/

MyMathLab is where the actual Math is done. Here you'll do your homework, quizzes, CheckUp exams, and Exams. It is maintained by Pearson Education, the publisher of your textbook. **To access MyMathLab, click on the MyMathLab tab in the left navigation bar in Canvas**. You will need to register upon first entering the site.

LECTURE PRESENTATIONS

Viewing lecture presentations is an important aspect of learning process. You will access the lecture videos from the corresponding Module in Canvas. The textbook publisher has also provided videos which are viewable through the Multimedia Library within MyMathLab. The video lectures on Canvas feature an instructor lecturing and annotating a powerpoint presentation. A pdf of this presentation is also available on each module page in Canvas. Video lectures do not cover every example and problem type in a section. Students should view the lecture and read the entire corresponding section of the textbook before beginning the homework in MyMathLab.

ASSIGNMENTS

Modules in Canvas: The links to Modules are arranged according to units in Canvas. Unit 1 covers Modules 1 – 8, Unit 2 covers Modules 9 – 16, and Unit 3 covers Modules 17 – 24. On a module page, you will find complete information on the content and things you need to do. **The homework, quizzes, and exams are given in MyMathLab**.

You should work on each Module in the following way: click on the Module in Canvas, read the objectives covered, view the lecture presentation, and read the corresponding sections in the textbook. Then click on the MyLab and Mastering tab in Canvas to access MyMathLab and complete your homework. After (approximately) every two modules there will also be a quiz to take. (To work in the right order in

MyMathLab, click on “MyMathLab All Assignments” and then on “Show All” to see all open assignments.)

Homework in MyMathLab: Each assignment in MyMathLab is numbered according to the Lecture/Module. For example, L2 corresponds to Lecture/Module 2. Each **Homework** assignment consists of a list of problems and is worth 6 points. **The credit for a homework assignment will be given according to the percent value of the work completed.** The “passing score” for proceeding to the Module quiz is 80%. NOTE 80% on a homework assignment will not give you the full credit of 5 points for this assignment but only 4 points. To get the full credit, you have to complete 100%.

There will be 24 homework assignments. Thus, a maximum of 144 points can be earned on the homework. **The homework assignments may be accessed all semester to improve your score. After Dec 5, students will receive a zero for any assignments not completed.** Remember you must complete at least 80% of the homework before the due date in order to take the 10-point Module Quiz. **The Module Quizzes will not be re-opened.** If you are struggling to get the 80% in order to take the Quizzes, you need to contact the coordinator immediately to get help!

NOTE: If you missed a due date for a Module, go to the next Module so that you do not fall behind in the course. You can return to the previous Module later and work on the homework.

MyMathLab Homework/Quizzes open TWO WEEKS before the deadline. They will be graded by the software and you will see your score immediately after submitting your work. You will have 3 attempts on each problem in the **homework.**

Discussion Assignments: Discussion meets every Thursday, and every discussion will have an assignment worth 12 points. Sometimes this will be a quiz and other times it will be an assignment on Canvas relating to the class discussion. **Attendance in discussion is required to get points on the corresponding discussion assignment.** There are 13 discussions other than the introduction on 8/23 and therefore 13 discussion assignments. The lowest 3 will be dropped, so only 12 will be counted for a total of 120 points.

Module Quizzes: You will take a Module Quiz in MyMathLab after you complete at least 80% on the Homework. **Each quiz is worth 12 points**. Quizzes cover the same material as the homework and will include problems similar to the ones in the homework. Typically, a Module quiz covers two homework assignments. For example, the first quiz on 8/24 covers L1 and L2. There will be approximately 10 problems given for a 30 minute period of time and the better of two attempts will count. We offer 12 quizzes; however, only 10 quizzes will count towards your grade (your 4 lowest scores will be dropped). Thus, a maximum total score earned on the Module Quizzes in MyMathLab is 120 points.

Makeup Policy on Quizzes: If you have a legitimate documented reason for not meeting the deadline on a MyMathLab Module Quiz, you must contact your the course coordinator **PRIOR t**o the event in order to makeup the missing Module (see the contact information on the first page of the current syllabus).**We do not accept any late excuse documentation. Quizzes, Homework, and Exams will not be reopened, reviewed, offered, or graded after Dec. 5.**

If you are experiencing a problem with login, registration, or working on MyMathLab assignments, please contact Pearson’s MyMathLab Technical Support Team by calling 1-800-677-6337.

UNIT EXAMS

The dates for your exams are indicated in the Calendar. Tests are taken in the evenings on campus. There will always be an announcement made at least one week prior to the exam with the precise location and time. There will be no Makeup Exams given in this course without legitimate documentation. **Late excuse documentation will not be accepted**. We will attempt to schedule makeup exams prior to the date on the schedule. If this is impossible, the makeup exam will be taken on the last day of class, December 5.

For each exam, you should bring only a pencil or a pen, scratch paper, and your UF Gator1 picture ID. NO CALCULATORS! NO CELL PHONES! NO NOTES! NO BOOKS!

Final Exam: The final exam will be taken on campus just like normal exams. The alloted time period is **Monday 12/10 7:30-9:30.** The final exam is a comprehensive 90-minute Exam consisting which counts for 110 points. The Final Exam is mandatory.
Checkup Exams: There will be three Checkup Unit Exams and a Checkup Final offered online to help you practice for the actual exam. Each Checkup will become available a week prior to the actual exam date and **close at the midnight of the day preceding the first day of the exam scheduling period**. The Checkup Exams are designed to help you to actively review the material. Each Checkup for the three unit exams is worth 10 points and can be taken only once. The final checkup is worth 20 points. The checkups have a 120 minute time limit.

COURSE GRADE

Course Grade: The course grade is based on 750 points accumulated as follows:

24 Online Homework	@ 5 points	120
10 Online Quizzes	@ 12 points	120
10 Discussion Assignments	@ 12 points	120
3 Unit Exams	@ 80 points	240
1 Final	@ 110 points	100
3 Check-Up Exams	@ 10 points	30
1 Final Check-up Exam	@ 20 points	20
Total Score:		**750 points**

The course grade is the grade satisfying the conditions below and will be strictly adhered to:

Passing Grades		
675 – 750	A	90% –100%
645 – 674	A-	86% – 89.9%
615 – 644	B+	82% – 85.9%
585 – 614	B	78% – 81.9%
555 – 584	B-	74% – 77.9%
525 – 554	C+	70% – 73.9%
495 – 524	C	66% – 69.9%

Non-passing Grades		
465 – 494	C-	62% – 65.9%
435 – 464	D+	58% – 61.9%
405 – 434	D	54% – 57.9%
375 – 404	D-	50% – 53.9%
below 375	E	< 50%

Grade I: The grade of "I" (Incomplete) is never used to avoid an undesirable grade. It is used only if a student has completed all term assignments and has a passing grade in class but is missing the final exam

due to illness or extenuating circumstances. A student must sign a form with the course coordinator to receive an "I" in the course.

Calculator Policy: A scientific calculator may be required (or useful at least) for some homework and MyMathLab problems but is **not allowed** on the Discussion quizzes or Exams.

Make up policy: All makeups in the course are given only on legitimate and documented reasons. NO late documentation will be accepted. NO makeups will be given at the end of the term.

SPECIAL ACCOMMODATIONS

Students with disabilities requesting accommodations on homework, quizzes, and exams must first register with the Dean of Students Office. The Dean will provide the student with documentation, which must be turned in to the course coordinator or your instructor **during the first two weeks of the semester**. Students wishing to use DRC accommodations for discussion quizzes must be present in class on the day of the discussion quiz for the accommodated quiz to be accepted.

ACADEMIC HONESTY

The University of Florida expects students to be honest in all of their university class work. Please remember to commit yourself to academic honesty with the pledge:
"We, the members of the University of Florida Community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."
The Math Department expects you to follow the academic honesty guidelines. Matters of violations of academic honesty are adjudicated by the Student Honor Code.

HELP

Please refer to the **UF Computing Help Desk** with all problems relating to the **computer usage.**

In addition to participating in the discussion boards, attending your instructor's office hours, andusing tutorial features in MyMathLab, the following aids are available:

(a) Broward Math Center: The OIR Teaching Center located in SE Broward Hall is open during the day and in the evening. Further information and hours of operation are posted online at www.teachingcenter.ufl.edu

(b) Private Tutors: If, after availing yourself of these aids, you feel you need more help, you may obtain from the Mathematics Department Office (358 Little) a list of qualified tutors for hire. This list is also posted on the department web page www.math.ufl.edu

ONLINE COURSE EVALUATION

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://evaluations.ufl.edu.