Liberal Arts Math MGF 1107 Spring 16

Professor WADE  OFFICE F 233  PHONE: 407-708-2731  EMAIL: WADEW@SEMINOLESTATE.EDU

OFFICE HOURS:  M/W: 11AM-3PM  T/TH: 11AM-12PM

TEXTBOOK: Mathematical Ideas w/MyMathLab Access..., by Miller, Edition: 13th. This same text is used for MGF 1106 (College Math). If you have any trouble getting into MyMathLab call their tech support 1-800-677-6337. A scientific calculator is required for this course.

CLASSROOM USE OF ELECTRONIC DEVICES
BEFORE ENTERING THE CLASSROOM, please be sure to have all electronics silenced and put away. Texting must be done outside the classroom. Students who are texting in the classroom will be asked to leave. On the day of each exam, all electronic devices must be POWERED OFF and put away prior to entering the classroom.

CLASS DESCRIPTION  Credit Hours: 3
This course provides an opportunity for students to see mathematics used in ways not seen in traditional mathematics courses. Topics include: history of mathematics, financial mathematics, number systems, number theory and graph theory. Critical thinking skills, problem solving techniques, and the appropriate use of technology will be used throughout the course. Prerequisite: MAT 1033 or MAT1100 with a grade of C or better or sufficient scores on a placement test.

NOTE: Check the college catalog to be sure that prerequisites have been met. This is YOUR responsibility.

GRADING
Your grade will be determined from 3 exams, quizzes, homework, and Papers as follows:
Exams (3)  60%
Quizzes/ Projects  10%
Homework  10%
Individual chapter Paper  10%
Mathematician Paper  10%

Grades will be assigned according to the following scale:
A=90-100  B=80-89  C=70-79  D=60-69  F=below 60

NOTE: Credit for this course may not transfer to another institution with a grade lower than a C.

HOMEWORK
Always read the sections to be covered before the lecture. Homework will be assigned daily on MyMathLab. You should expect to spend between 10 and 15 hours on homework each week. Please ask questions.

ATTENDANCE POLICY
Students are expected to be in class for all regularly scheduled class periods. Attendance records will be kept. If you should decide to withdraw from the course, you must complete the proper withdrawal forms. The last date to withdraw without academic penalty is [March 22nd]. Seminole State College has a policy that no instructor may withdraw a student after this date. Before the above date you may be withdrawn from the class if you are absent two consecutive weeks and you have not contacted the instructor.

There are NO makeup quizzes or exams. Late homework, quizzes, and tests will NOT be accepted. Do not send me notes from doctors, police, or other qualified professionals for missed work.
**Makeup policy:** Allowable makeup work may be done before the scheduled assignment date **only** in cases of jury duty, court-mandated appearances, religious holidays, or military duty. If there will be a conflict with one of the above mentioned exceptions, then it **must** be brought to my attention at the earliest possible date.

The quizzes will be given through *MyMathLab*.

The homework is not timed, nor is there a limitation on how many times you can attempt it. Please keep doing the homework until you make a 100%. If you have homework questions, please e-mail me.

**LIMITATIONS ON WITHDRAWALS**
A student is limited to two (2) withdrawals per course. Upon the third attempt in a course, a student will not be permitted to withdraw and will receive a grade for that course from the instructor. A student will be limited to three (3) attempts per course, including the original grade, repeat grades and withdrawals at any point in the semester. A student enrolled in the same undergraduate college credit course more than two times shall pay the full cost of instruction.

**ACADEMIC HONESTY**
Any talking or referring to books or notes during exams will be considered cheating. Please refer to the Student Handbook and Student Catalog for consequences and remedies. Disciplinary proceedings may be initiated against students who infringe upon a teacher’s right to teach.

**EMERGENCY CONDITIONS**
To verify that the college is open and classes are being held, please call (407)708-2290 or (407)708-4722. The Seminole State College of Florida website ([www.seminolestate.edu](http://www.seminolestate.edu)) also features updated announcements.

**Disclaimer:** The instructor reserves the right to change any part of this schedule or syllabus at any time.

**Ice Cream Group Projects** (group: five per group) Group projects will be due upon their relevance to the course material. A visual should be prepared (Prezi, PPT or other) as your group will be doing an in class presentation. Be sure that your visual is neat, is easily understood, has correct spelling, and is large enough for everyone to easily see and/or read. If a PowerPoint is used, it must contain at least 20 slides and a copy of the slides must be emailed to me.

**Individual section Project**
The presentation should include a visual (ie, PowerPoint, Prezi). Be sure that your visual is neat, is easily understood, has correct spelling, and is large enough for everyone to easily see and/or read. If a PowerPoint is used, it must contain at least 10 slides and a copy of the slides must be emailed to me.

**Individual chapter Paper**
A written report on a mathematical topic is required of each student. The typed report should be at least 300 words and should include a minimum of three references. The entire paper must be submitted to Turnitin.com.

**MGF 1107 Mathematician Paper Requirements:**
The paper should be at least 600 words, double spaced, with at least three references. Make sure spelling and grammar are correct. Make sure to include: dates, countries lived in, other mathematicians that they worked with. Also, include significant contributions to mathematics. Also include contributions to other areas of knowledge. Cover sheet: include representation of a mathematical concept that this person
contributed and a picture of the mathematician. The paper must be submitted to turnitin.com. Each student will be assigned a unique person from the following list:

<table>
<thead>
<tr>
<th>Aristotle</th>
<th>Benjamin Banneker</th>
<th>Janos Bolyai</th>
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<tbody>
<tr>
<td>George Boole</td>
<td>Georg Cantor</td>
<td>Tsu Ch’ung-chih (ZuChongzhi)</td>
</tr>
<tr>
<td>Chebyshev</td>
<td>Abraham DeMoivre</td>
<td>Augustus DeMorgan</td>
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<tr>
<td>Rene Descartes</td>
<td>Escher</td>
<td>Euclid</td>
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<td>Leonhard Euler</td>
<td>Carl Gauss</td>
<td>Stephen Hawking</td>
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<td>Sofia Kovalevkaya</td>
<td>Leopold Kronecker</td>
<td>Pierre LaPlace</td>
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<td>Gottfried Leibniz</td>
<td>Nikolai Lobachevsky</td>
<td>Pascal</td>
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<td>Plato</td>
<td>John Playfair</td>
<td>Georg Riemann</td>
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<td>Bertrand Russell</td>
<td>Simon Stevin</td>
<td>Thales</td>
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<tr>
<td>John Venn</td>
<td>Francois Viete</td>
<td>Alfred North Whitehead</td>
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**Turnitin Class ID:** 11301584  
**Turnitin Password:** WADEMGF  
**MyMathLab Course ID:** wade54798

This syllabus is subject to change and changes will be announced during class. It is the student’s responsibility to find out if any announcements were made on a day that they were absent.

**MGF 1107 Liberal Arts Math Tentative Fall Schedule 2016**  
This schedule is subject to change. All changes will be announced in class.

Week 1: Syllabus, MML free 14 day Trial, Ice Breaker, assign: group/individual projects, Mathematician papers, individual Chapter papers, Ch1.1-1.4, Ch6.3, 6.5

Week 2: Martin Luther King Jr. 1/18; Ch1, 6.3, 6.5, group time

Week 3: review Ch1 & 6; Ch4

Week 4: 4.1-4.4

Week 5: review Practice test p177, group time, MML section videos, Individual/Group Presentations due for Ch.1, 4 & 6; **Test 1**

Week 6: group time, 5.1-5.3, Malala-Daily Show, group time; video: Golden ratio, Fibonacci, “Donald in Math magic Land” (7:45-13:35); 5.4-5.5, group time

Week 7: Mathematician Paper Due (10 points off for each day late); review eBook Practice test for Ch5, group time

Week 8: Ch14:1-4

**Spring Break 3/6-12! Yeah Baby!!**

Week 9: group time, Individual/Group Presentations due Ch5 and Ch14; review
Week 10: Mathematician & Chapter Papers Due (10 points off for each day late); review eBook Practice tests Ch5 & Ch14, group time

Week 11: **Test 2**, (Grade: all papers); Ch15

Week 12: 15.1-15.4

Week 13: review eBook Practice test, group time, Individual and Group Presentations due for Ch.15

Week 14: review, Individual/Group Presentations due for Ch.15

Week 15: **Test 3**; Semester wrap-up; make-up testing