COURSE DESCRIPTION: This course meets Area II requirements for both the A.A. and the A.S. general education requirements. Topics include set theory, logic, geometry, counting principles, probability and statistics. Students already with credit for MGF 2202 cannot subsequently get credit for MGF 1106. Course performance standards are available at http://www.scf.edu/Academics/MathematicsScienceTechnologyBusiness/Mathematics/Courses/MGF1106TopicsinMathematics.asp and in the Math Labs.

PREREQUISITES: A grade of “C” or better in MAT 1033 or equivalent. Student enrollment in any mathematics course is contingent upon approval of the Mathematics Department. This means that students who have been misplaced may have their schedule changed.


MATERIALS: A scientific calculator is required. Calculators can be used during exams with the exception of those calculators with symbolic manipulation capabilities (e.g., TI-89, TI-92).

ADDITIONAL MATERIALS: Instructional software (MyMathLab) with access to supplemental homework problems, solutions to homework problems and video lectures is required and it must be purchased by the end of the first week of classes.

EXAMINATIONS: There will be five exams and a required comprehensive final examination. NO MAKE-UP EXAMS WILL BE GIVEN.

GRADING: Your grade in the course is determined by the percentage of points earned during the semester.

<table>
<thead>
<tr>
<th>Points</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Unit Exams 500</td>
<td>90-100% = A</td>
</tr>
<tr>
<td>Quizzes/Project 200</td>
<td>80-89% = B</td>
</tr>
<tr>
<td>MyMathLab 100</td>
<td>70-79% = C</td>
</tr>
<tr>
<td>Final Exam 200</td>
<td>60-69% = D</td>
</tr>
<tr>
<td>Total 1000 points</td>
<td>0-59% = F</td>
</tr>
</tbody>
</table>

GORDON RULE: This course meets the Florida State Board of Education Rule Number 6A-10.30. For the purpose of this rule, a grade of “C” or better shall be considered successful completion.

ATTENDANCE: All late arrivals, early departures and absences must be discussed and cleared with the instructor. More than 3 hours of unexcused absences or excessive tardiness may result in your withdrawal from the course.

WITHDRAWAL: In accordance with the State College of Florida policy, as stated in the college catalog, students may withdraw from any course, or all courses, without academic penalty, by the withdrawal deadline listed in the State College of Florida academic calendar. This semester, the withdrawal date is September 21, 2012. Students should take responsibility to initiate the withdrawal procedure but are strongly encouraged to talk with their instructors before taking any withdrawal action. In addition, students should note that faculty may also withdraw students for violating policies, procedures or conditions of the class, as outlined in individual class syllabi, and such action could affect financial aid eligibility.

ELECTRONICS POLICY: Cell phone etiquette must be observed: In-class usage is restricted to emergency situations. Cell phones are not allowed to be used during tests, not even as a calculator. Inform the instructor before class of any extenuating circumstances. Electronic devices, such as iPods, Blackberries, etc. are not permitted to be used or worn in class.

MISCONDUCT: Students are required to adhere to statements regarding student misconduct outlined in official State College of Florida publications including the Catalog and the Student Handbook and http://www.scf.edu/StudentServices/StandardsofStudentBehavior.asp. The minimal consequence of failure to adhere to these statements is withdrawal from the course.
### Tentative Academic Calendar Fall 2012 – First 8 Weeks

**Course:** MGF1106

<table>
<thead>
<tr>
<th>Week</th>
<th>Sections Covered</th>
<th>Topics Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8.1 – 8.4, 2.1 – 2.3</td>
<td>Basic Terms and Conversions within the Metric System, Length, Area and Volume, Dimensional Analysis and the Metric System, Set Concepts, Subsets, Venn Diagrams and Set Operations</td>
</tr>
<tr>
<td>2</td>
<td>2.4 – 2.5, 3.1 – 3.2</td>
<td>Venn Diagrams with 3 Sets, Applications of Sets, Statements and Logical Connectives, Truth Tables for Negation, Conjunction and Disjunction</td>
</tr>
<tr>
<td>3</td>
<td>3.3 – 3.6</td>
<td>Truth Tables for the Conditional and Biconditional, Equivalent Statements, Symbolic Arguments, Euler Diagrams and Syllogistic Arguments</td>
</tr>
<tr>
<td>4</td>
<td>9.1 – 9.4</td>
<td>Points, Lines, Planes and Angles, Polygons, Perimeter and Area, Volume and Surface Area</td>
</tr>
<tr>
<td>5</td>
<td>9.5 – 9.6, 12.1 – 12.3</td>
<td>Transformational Geometry, Symmetry and Tessellations, Topology, The Nature of Probability, Theoretical Probability, Odds</td>
</tr>
<tr>
<td>6</td>
<td>12.5 – 12.9</td>
<td>Tree Diagrams, Or and And Problems, Conditional Probability, The Counting Principle and Permutations, Combinations</td>
</tr>
<tr>
<td>8</td>
<td>Group Project Presentations and FINAL EXAM</td>
<td></td>
</tr>
</tbody>
</table>

*Friday, 9/21, last day to withdraw without academic penalty (no refund).
**Friday, 10/5, Faculty/Staff Development Day – no day classes or academic support labs. Classes scheduled 4 pm and later will meet as usual.*

7/19/2012
Syllabus Addendum  
Fall 2012 - First 8 Weeks

**Course**  
MGF 1106-01 / 10189, Topics in Mathematics  
MWF 12:00-1:53

**Instructor**  
Kim D. Ghiselin

**Office**  
Mathematics Building (27), room 146

**Phone**  
941.752.5556

**E-mail**  
ghiselk@scf.edu

**Office Hours**  
10:00 – 11:30

**Materials**  
REQUIRED: My Math Lab (with e-book)  
Scientific Calculator  
Pencils and Paper

**MyMathLab**  
The Course Code for this class is ghiselin78626

**Grading**  
*5 Tests @ 100 points each* -- There will be no make-up tests given. If a test is missed the student should schedule an appointment to discuss the situation with me and bring in the documentation for the absence. If the absence is approved as excused and the student’s overall MML score at the end of the semester is greater than 80%, then I will replace the zero test score with the earned final MyMathLab grade. Unexcused absence from an exam will result in a zero grade. Tentative test dates are Aug 29, Sept 10, Sept 19, Sept 28 and Oct 8.

*8 Quizzes @ 20 points each* -- These pop quizzes will be open notebook so always come to class prepared. We will probably have 9 quizzes and drop the lowest quiz score.

*A Group Review Project* will count 40 points. These project presentations will take place on Wednesday, October 10.

*MyMathLab* -- This required online homework counts 100 points.

*Cumulative Final Exam* is 200 points. The final exam will be administered on Friday, October 12 from 12:00 – 1:30.

**Homework**  
Always come prepared to class with your notebook as well as any questions you may have on the MyMathLab assignments. If you are “stumped” on more than three questions from the assignment, you should seek assistance from the Academic Resource Center or from me during my office hours BEFORE class meets.

**Attendance / Promptness**  
Attendance is required. You may be withdrawn from the course after three hours of unexcused absences, regardless of your grade in the course. Tardiness and early departures are unacceptable. Three tardies or early departures will count as one hour of absence.

7/19/2012