MATHEMATICS FOR LIBERAL ARTS I (MGF 1106)
SPRING 2016 (1419)

THIS IS AN ON-LINE COURSE!

INSTRUCTOR

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Office Location:	NM 108 (Clearwater Campus)

COURSE INTRODUCTION

All online courses at St. Petersburg College use a learning management system called **MyCourses**. To promote student progress within the course, deadlines have been established for all assignments (online homework, review tests, Unit tests, and Midterm and Final Exams) and are outlined in the ***Class Schedule*** document. Students are encouraged to work ahead whenever possible, but should also participate in unit discussions where you will have the opportunity to post questions for classmates to respond to and reply to your classmates' queries.

Online students are expected to meet the same course objectives, are held to the same academic honesty standards, are expected to "attend" class weekly, and are expected to follow the policies and procedures outlined in the college student handbook as their on-campus counterparts must adhere to. When communicating online, students will also treat their instructor and fellow students with the same courtesy and respect they would exhibit in a traditional class.

COURSE DESCRIPTION

This course is a general survey course in mathematics and covers a number of traditional, independent topics and will include topics related to mathematical logic, sets and systematic counting, probability, statistics, geometry and critical thinking skills. This course satisfies three credits of the mathematics requirements outlined in the General Education Requirements, but is not a prerequisite to any other mathematics course. (Credit will be given only for MGF 1113 or MGF 1106.)

COURSE GOALS

Students will study an overview of mathematics and develop an understanding of the basic mathematics techniques and procedures. Students will enhance their logical reasoning skills including both inductive and deductive logic. They will gain a better understanding of the techniques of problem solving including clearly defining the problem, using a systematic approach and using symbolic representations to solve practical, real world problems. The critical thinking skills developed in this course are applicable to problems encountered in everyday living and transferable to other discipline areas that do not require an in-depth study of mathematics.

PREREQUISITE

MAT 1033 or satisfactory score on the SPC mathematics placement test.

COURSE MATERIALS

- **eBook with *ConnectMath* access:** *Math in Our World,* 2nd edition (Media Update), Sobecki, Bluman, Schirck-Matthews, McGraw-Hill (**ISBN:** 9780077539146). **Course Code: CEYPK-JA6HC**
- A battery-operated scientific calculator (such as a TI-30). Graphing calculators are permitted (such as the TI-83+ or TI-84). QWERTY keyboard calculators, such as the TI-92 and their equivalents are prohibited.
- **Continuous** computer and internet access is your responsibility and not an excuse for not completing assigned work by the deadline.
- Notebook - Preferably 3-ring. Record all notes, practice problems, tests, and communication in this notebook.

IMPORTANT DATES

Course Dates: Jan 11 – May 6, 2016
Midterm Exam*: Friday, Mar 18, 2016 to Sunday, Mar 20, 2016
Withdrawal deadline: Wednesday, Mar 23, 2016
Proctored Final Exam: Friday, Apr 29, 2016 to Sunday, May 1, 2016
Financial Aid Deadlines: http://www.spcollege.edu/getfunds

**: not proctored*

TESTING AND GRADING

Any student who has not withdrawn from the course by the deadline **March 23, 2016** and has not taken the Midterm Exam by the deadline, will not be able to continue in the course and will receive the grade of WF. All other students will be given a grade according to the following breakdown. Third attempt students may not withdraw but will receive a grade of F if they do not succeed. No incomplete grade will be granted unless the student has completed at least 85% of the required assignments and has an average on those of at least an 85%. Grades are based on the assignments below.

The grade scale is **A (100-90), B (89-80), C (79-70), D (69-60), F (59-0)**

Assignment	Location	Total Percentage of Course Grade
Unit Test Reviews	ConnectMath	15%
Unit Tests	ConnectMath	25%
Mid-Term Exam	MyCourses (**not proctored**)	30%
Final Exam	MyCourses (**proctored**)	30%

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STUDENT RESPONSIBILITIES

Students are responsible for the following:

Announcements: You are responsible for any announcements posted on the **MyCourses** log on page, the Home Tab in our course in **MyCourses**, in emails, and in the discussion forums, so check our course site at least every other day.

Proctored (supervised) Testing Request (Out-of-County students only): If you live outside of Pinellas County and cannot attend testing at one of **SPC's** major campuses, you are required to find an approved proctor and testing site for the Final Exam. Fill out the Proctored Testing Form **by the second week of class**. Do not send the information to your instructor. You may choose to connect with **ProctorU** which is a service for students who may have difficulty getting to a testing center.
https://www.spcollege.edu/onlineforms/dtpform/dtpForm.html

Course Schedule: It is important for you to follow the schedule listed on your ***Class Schedule*** document which is located inside the Course Documents folder under the Lessons tab. This schedule is provided for timely completion of the course. ***This is not a self-paced or independent study course. All course work must be completed by the appropriate due dates. A grade of zero will be assigned to any course requirement not completed.***

ConnectMath* Section Videos:** All sections we will be studying this semester have assigned tutorial videos within ***ConnectMath which is a required site for learning. Watch these videos and take notes in your notebook in addition to reading the eBook section. Once you feel comfortable with the content, work on the practice problems assigned for each section as these homework problems will be part of your final overall grade.

ConnectMath* Section Practice:** Homework problems similar to the section textbook problems are assigned online in ***ConnectMath. Copy each problem into your notebook in order to keep a record of what you are learning and what you need to improve on. Once you work out the problem and submit your answer, the software immediately scores and provides feedback. Many students prefer this avenue as you are provided completely worked out solutions to all problems. For more help, post your questions in the discussion forum for each unit and your classmates will have opportunity to assist you.

ConnectMath* Unit Reviews (15%):** There is a review set of problems for each of the unit tests in ***ConnectMath. Take your time in completing these problems up to 3 times each as they will be a great way to prepare for the full content covered on the Unit Test. And, the average will count toward your final course grade.

ConnectMath* Unit Tests (25%):** Each of the 5 Unit tests is timed for 90 minutes. Warning: do not access the test until you are ready to begin as you are allowed to take each Unit test only **one time**. Once started, you must complete the test within the allotted time. Be sure to do the Test Review Problems in ***ConnectMath so that you are aware of the problem types presented. Adhere to the ***Class Schedule*** for Unit test due dates. Record all your work on the review and actual test in your notebook right along with your homework problems on the sections. If you miss a test, or do poorly on a test, that single test grade will be dropped. Do not use your book nor your notes while taking the tests; you are on your honor. Tests that are not completed on time will be assigned a grade of zero (0). BTW, often these tests require written answers. Please keep in mind the computer cannot interpret your answer, so you will need to inform me of any grading issues so I can update your test.

Midterm Exam (30%) – Not Proctored: Your Midterm Exam will cover the first 3 Units of Study and consists of multiple choice questions. This exam and review are located within **MyCourses**. No books, formula cards, or notes are allowed for the Midterm Exam. You should be provided with scratch paper. You may use an approved scientific calculator (no keyboard "calculators"). See the ***Class Schedule*** for the Midterm Exam due date document. You will need to do well on both the Midterm and Final Exams in order to pass the course as together they carry 60% weight of your final overall grade. Thus, cautiously prepare all semester by studying the text, working in ***ConnectMath***, doing well on the homework assignments, doing well on each unit test and review, and reviewing the full course curriculum multiple times before attempting the Midterm. **No extensions on missing the Midterm. You will need to self-withdraw by the withdrawal deadline in order to avoid the punitive grade of WF.**

Final Exam (30%) – Proctored (supervised): Your Final Exam will cover all 5 Units of Study and consists of multiple choice questions. There will be a formula sheet and tables provided for the Final Exam available in **MyCourses**. You should be provided with scratch paper. You may use an approved scientific calculator (no keyboard "calculators"). See the ***Class Schedule*** for the Final Exam due date and check the eCampus site for times and locations for completing the Final. This exam is proctored which means you will have to take it supervised in a testing center where the proctor has the password. The Final Exam must be taken at one of **SPC's** campus testing centers or at an educational facility in your area (for non-Pinellas County students) by the appropriate due date according to the ***Class Schedule*** document. Students not living in Pinellas County that are unable to get to one of **SPC's** campus testing centers are required to find a proctor (supervisor) for the exam by the **2nd week of classes.** All OSSD students must contact the eCampus learning specialist if they need special arrangements for testing. **No extensions on missing the Final. You will need to sign up for the course again if you miss the Final Exam.**

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Class Communication

All communication within this course can be accessed through the Communication tab in **MyCourses**. Use the **MyCourses** e-mail system to communicate privately with the instructor. Every effort will be made to check course emails daily; however you should give your instructor up to 48 hours to respond. Avoid using regular college email whenever possible as it does not keep student confidentiality and may not be received by your instructor due to filtering software.

Students are also expected to participate regularly on the discussion boards as it will further enhance their understanding of the course subject matter. Here students have the opportunity to respond and react to the postings of your classmates. Students wishing to form study groups may choose to meet in the Chat Rooms under the Communication tab. A chat room is also available for students to meet individually with the instructor by appointment.

ATTENDANCE POLICY

Instructors are required to verify that students are in attendance at least once each week during the first two weeks of class. Students classified as "No Show" for both of the first two weeks will be administratively withdrawn by the college with a grade of **W**. For week 1, students are expected to read all course documents in MyCourses, register in ***ConnectMath***, and complete section 2.1 and 2.2 practice problems. For week 2 attendance, students are expected to minimally complete sections 2.3 and 2.4 practice problems and take Test 1 in ***ConnectMath.***

Immediately following the 60% point of the term (this date is immediately after the Mar 23 withdrawal deadline), your instructor will verify which students are actively participating in class as defined below. Students classified as not meeting the criteria for active class participation will be administratively withdrawn by the college with a grade of **WF**. Students will be able to withdraw themselves at any time during the term as long as this is not the 3rd attempt at passing a course. However, requests submitted after the 60% deadline will result in a **WF**. Students and instructors will automatically receive an e-mail notification to their SPC email whenever a withdrawal occurs.

Active class participation for this class is determined by whether or not a student has been consistently showing progress, study time, and completing homework in ***ConnectMath***, and completing tests on or before the appropriate due dates. If a student misses 2 of the first 3 Unit Tests in ***ConnectMath*** and the Midterm Exam, that student will be considered **inactive** and will be administratively withdrawn. **NO EXCEPTIONS.** Students should notify the instructor in advance of any prolonged absences. Regular class participation is **required and essential** for the successful completion of this course.

STUDENT SURVEY OF INSTRUCTION

The student survey of instruction is administered in courses each semester. It is designed to improve the quality of instruction at St. Petersburg College. All student responses are confidential and anonymous and will be used solely for the purpose of performance improvement.

LEARNING SUPPORT CENTER & LIBRARY HOURS:	BOOKSTORE HOURS:
Monday-Thursday: 7:30 a.m. – 9:00 p.m. Friday: 7:30 a.m. – 4:00 p.m. Saturday: 10:00 a.m. – 5:00 p.m. *: You need to be early enough to finish your test before the Testing Center closes.	Monday-Thursday: 7:45 a.m. – 7:00 p.m. Friday: 8:30 a.m. – 6:00 p.m. Saturday: 10:00 a.m. – 2:00 p.m. **ACADEMIC TEST HOURS*:** Monday & Thursday: 9 a.m. – 6:00 p.m. Tuesday & Wednesday: 9 a.m. – 3:30 p.m. Friday: 9 a.m. – 12:00 p.m.(noon)

SYLLABUS ADDENDUM

Please visit the Syllabus Addendum web page at http://www.spcollege.edu/webcentral/policies.htm for the most current information and policies.

WITHDRAWAL POLICY

The last day for a student to withdraw from this course, as listed on the college academic calendar is **. Wednesday, March, 23, 2016.** It is the **responsibility of the student wishing to withdraw from the course to withdraw themselves.** Do NOT contact your instructor or the eCampus office to request a withdrawal.

TECHINICAL SUPPORT

If you are experiencing technical challenges in the course, first review the information, resources, and FAQ at http://www.spcollege.edu/ecampus/help/index.shtml . If you need personal technical support, call Technical Support at (727) 341-HELP (4357).

SUGGESTIONS FOR SUCCESS (Suggested Study Plan and Helpful Hints)

- Read the textbook section, view the tutorial videos, and do the assigned homework problems in ***ConnectMath***.
- Check Discussion Boards and email every day. Respond to the questions of other students. Learn by discussing problems with others.
- When you encounter a difficult problem, post a question on the discussion forum set up for each Unit of Study.
- ***Take care of any technical issues immediately so you do not fall behind.***
- After completing all sections within a Unit, work the Review Test in ConnectMath.
- Study for the test by reviewing your notes multiple times.
- Practice! Practice! Practice! Mathematics is not a spectator sport. You should do as much work as possible--not as little as you can get away with.
- When preparing for a test, review your notes, memorize formulas and procedures and rework practice exercises that you found difficult earlier. If you find that you need to look up information in order to complete an exercise, you are not ready for the test.

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- Use online sites or visit the Learning Center on the campus nearest you for mathematics assistance.
- AND MOST IMPORTANTLY! **DO NOT fall behind! Schedule a couple of hours everyday for this course and use all available resources.**

All assessments are covered by the SPC Academic Honesty Policy. You may not receive any assistance when completing online Unit Tests and the proctored Exams.

How is Math for Liberal Arts I online different than a traditional lecture class?

Traditional (Lecture)	Online
Content delivered by instructor-led interactive lecture and textbook	Content accessed from textbook and other online resources and sites
Feedback on progress is minimal and often delayed for graded assignments	Feedback on progress is immediate for automatically graded assignments
Students are usually passive participants in the classroom	Students are **active learners** in charge of their own learning pace
Students have opportunity to interact with other students or the instructor but rarely do	Students **must** interact frequently with each other as well as the instructor to facilitate learning
Students generally spend less than 4 hours per week on class attendance and assignments	Students generally spend **at least 9 - 12** hours per week on class assignments
Communication is synchronous and easier face-to-face	Communication is asynchronous and, depending on student consistent involvement, can sometimes require days to complete a discussion
Students may be reminded of due dates in class; tests are on set days and cannot be missed	Students must be **proactive** and possess **self-discipline** and **time management skills** in order to meet the required deadlines

Schedule of Lessons and Tests (CM-ConnectMath; MC-MyCourses)

Unit	Week	Section	Topic	Due Date
1	1	2.1	Nature of Sets	Jan 31, 9:00pm
	1/11-1/17	2.2	Subsets and Set Operations	Jan 31, 9:00pm
	2	2.3	Venn Diagrams	Jan 31, 9:00pm
	1/18-1/24	2.4	Using Sets to Solve Problems	Jan 31, 9:00pm
			Test 1 Review (CM)	**Jan 31, 9:00pm**
			Test 1 (CM)	**Jan 31, 11:00pm**
2	3	1.1	Nature of Mathematical Reasoning	Feb 14, 9:00pm
	1/25-1/31	3.1	Statements and Quantifiers	Feb 14, 9:00pm
		3.2	Truth Tables	Feb 14, 9:00pm
		3.3	Types of Statements	Feb 14, 9:00pm
	4	3.4	Logical Arguments	Feb 14, 9:00pm
	2/1-2/7	3.5	Euler Circles	Feb 14, 9:00pm
			Test 2 Review (CM)	**Feb 14, 9:00pm**
			Test 2 (CM)	**Feb 14, 11:00pm**
3	5	11.1	Fundamental Counting Principle/Permutations	Mar 6, 9:00pm
	2/8-2/14	11.2	Combinations	Mar 6, 9:00pm
		11.3	Basic Concepts of Probability	Mar 6, 9:00pm
	6	11.4	Tree Diagrams/Sample Spaces	Mar 6, 9:00pm
	2/15-2/21	11.5	Permutation/Combination	Mar 6, 9:00pm
		11.6	Odds and Expectation	Mar 6, 9:00pm
	7	11.7	Addition Rule	Mar 6, 9:00pm
	2/22-2/28	11.8	Multiplication Rule/Conditional Probability	Mar 6, 9:00pm

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Unit	Week	Section	Topic	Due Date
			Test 3 Review (CM)	**Mar 6, 9:00pm**
			Test 3 (CM)	**Mar 6, 11:00pm**
	8	12.1	Gathering/Organizing Data	Apr 3, 9:00pm
	2/29-3/6	1.2	Estimation/Graphs	Apr 3, 9:00pm
		12.2	Picturing Data	Apr 3, 9:00pm
	9		**SPRING BREAK!**	
	3/7-3/13			
	10	12.3	Measures of Average	Apr 3, 9:00pm
	3/14-3/20	12.4	Measures of Variation	Apr 3, 9:00pm
	Mid-Term (Units 1-3) Mar 18- Mar 20		**Mid-Term Review (MC)**	**Mar 20, 9:00pm**
			Mid-Term (MC)	**Mar 20, 11:00pm**
	11	12.6	The Normal Distribution	Apr 3, 9:00pm
	3/21-3/27	12.7	Applications	Apr 3, 9:00pm
			Test 4 Review (CM)	**Apr 3, 9:00pm**
			Test 4 (CM)	**Apr 3, 11:00pm**
5	12	9.1	Measurement Conversion: Length	May 1, 9:00pm
	3/28-4/3	9.2	Measurement Conversion: Area, Volume, Capacity	May 1, 9:00pm
		9.3	Measurement Conversion: Weight, Temperature	May 1, 9:00pm
	13	10.1	Points, Lines, Planes, Angles	May 1, 9:00pm
	4/4-4/10	10.2	Triangles	May 1, 9:00pm
	14	10.3	Polygons/Perimeter	May 1, 9:00pm
	4/11-4/17	10.4	Area of Polygons/Circles	May 1, 9:00pm

Unit	Week	Section	Topic	Due Date
	15 4/18-4/24	10.5 10.6	Volume and Surface Area Right Triangle Trigonometry	May 1, 9:00pm May 1, 9:00pm
	16 **4/25-5/1**		**Test 5 Review (CM)** **Test 5 (CM)**	**May 1, 9:00pm** **May 1, 11:00pm**
	Final **<u>Proctored</u>** **Apr 29- May 1**		**Final Review (MC)** **Final (Proctored) (MC)**	**Apr 29- May 1** **Apr 29- May 1**