MAT 0022 (3004) Developmental Mathematics Coml
Fall Term 2016 (Term #0520)
16W Face-to-Face Tu/Th

St. Petersburg College

INSTRUCTOR:

Name: Ourania Z. Stephanides (pronounced Oor-Uh-Knee-Uh Stef-Uh-Knee-Dees)
E-mail: Use MyCourses-Communication-Email
Office Phone: 727-712-5885
Office Hours/Instructor Availability: Posted in Instructor Web Page (next line) and in MyCourses-Begin Here-Office Hours and Outside Office Door TS/BB 020B
Office Location: TS/BB 020B
Instructor Web Page: http://www.spcollege.edu/instructors/id/1532

ACADEMIC DEPARTMENT:

The Dean and Academic Chair are available to answer questions about math-related academic requirements. Concerns or issues specifically related to this class should first be discussed with the instructor before contacting the Dean or Academic Chair for assistance.

Academic Chair: Beth Goodbread
Office Location: TS/BB 020A
Office Phone: 727-712-5754

Dean: Jimmy Chang
Office Location: SA 215B
Office Phone: 727-341-4305

COURSE INFORMATION:

Course Description: This is a developmental mathematics course which combines the two-course sequence MAT 0018 and MAT 0028, designed to prepare students for college-level mathematics courses. This course combines the study of the basic skills and concepts of pre-algebra with the basic skills and concepts of elementary algebra from the view of a college student who needs an understanding of both pre-algebra and elementary algebra. Major topics include operations with integers, fractions, decimals, percents, geometric figures and their measures (including application problems),and other pre-algebra topics, and operations with signed rational numbers, simple linear equations and inequalities in one variable, operations on polynomials (including beginning techniques of factoring), integer exponents, brief introduction to radicals, introduction to graphing, applications, and other elementary algebra topics. A minimum course grade average of C (minimum 70% accuracy) is required for successful completion. This course does not apply toward mathematics requirements in general education or toward any associate degree.

REQUIRED TEXTBOOK & OTHER RESOURCE INFORMATION:

Required Text**,** Publisher Information: *Prealgebra & Introductory Algebra Fourth Edition with Student Organizer + Ebook + MyMathLab*, Elayn Martin-Gay, Pearson. ISBN: 9780133910551
MyMathLab Course ID: **click on Pearson Link in MyCourses**
Bookstore: http://www.spcollege.edu/textbooks
Recommended Additional Materials/Supplies: Access to a computer outside of class, notebook paper, pencil
Academic Support provides resources such as tutoring, computer help, workshops, group study, and more! Please visit http://www.spcollege.edu/support to discover their hours and tutor schedules for this academic term.
SmarThinking is an online tutoring resource that can be accessed from your MyCourses home page.
MyCourses will be used in every section of this course and will house information about this course and links to other resources such as MyMathLab.
Library: http://www.spcollege.edu/libraries/
Resource Guide: http://www.spcollege.edu/resourceguide/
Academic Honesty: http://www.spcollege.edu/academichonesty/
Syllabus Addendum: http://www.spcollege.edu/addendum/
SPC Student HelpDesk (for Technical Support with MyCourses): http://www.spcollege.edu/helpdesk/
MyMathLab Customer Support:
http://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/index.html

MEETING INFORMATION:

Class Number: 3004
Course Location:TS-BB 208
Meeting Days: Tuesday/Thursday
Class Times: 8:30 am – 10:45 am

IMPORTANT DATES:

Course Dates: August 15, 2016-December 9, 2016
Last Day to Drop and Receive Refund: August 19, 2016
Last Day to Withdraw and receive a letter grade of "W": October 20, 2016 *(60% point)*
College Closed: Monday, September 5, 2016, Labor Day
Tuesday, October 16, 2016 All College Day
Friday, November 11, 2016 Veteran's Day
Wednesday-Sunday, November 23-27, 2016, Thanksgiving Break
Financial Aid: http://www.spcollege.edu/getfunds/

DISCIPLINE-SPECIFIC INFORMATION:

Calculator Use: One goal of this course is to develop and/or improve your computational skills in the real number system. A 4 or 6 function calculator, i..e. TI-108 or equivalent, is PERMITTED for MAT0022 after Chapter 8. Graphing Calculators and/or calculators with memories and cell phones are NOT allowed. **Calculators are not permitted until after Chapter 8.**

Study Skills MAT 0022 is a developmental mathematics course. Since this course is a **prerequisite** to MAT 1033 (Intermediate Algebra) and any college-level mathematics course, you must master this material to do well in subsequent mathematics courses and in related courses. Success depends on the effort you invest in the course. Because the course builds on itself, you must **attend** all classes, log in several times weekly in MyCourses, and MyMathLab to **focus** on the course content and class activities. Ask questions. Seek extra help from your instructor or the Learning Support Commons. Try to complete all assignments and monitor your own progress. Remember that the rule of thumb is to plan for a minimum of three hours of study outside of class for every hour spent in class. Do not let yourself fall behind. Stay on top of your game!

ATTENDANCE:

Students are expected to attend class regularly and on time. The college-wide attendance policy is also included in the Syllabus Addendum. These policies note that each instructor is to exercise professional judgment and define "active participation" (and therefore "attendance") for each course, and publish that definition in each course syllabus. For this class, attendance is defined as attending all class sessions in their entirety unless an illness or emergency makes it impossible for you to do so. Please note that attendance includes being on time and attending the entire class period. Attendance will be taken daily. You must attend scheduled class meetings during the semester. **Therefore, if you are absent more than 4 times or have not completed at least 60% of the course assignments by the 60% mark of the course, October 20, 2016, you will be classified as not actively participating and will be administratively withdrawn from the class with a "WF."** Students that do not meet the active class participation requirement will be withdrawn from the course with a failing grade.

If ***you*** wish to voluntarily withdraw from the course and receive a grade of "W," you must do so through MySPC prior to the 60% point (October 20, 2016). Students will be able to withdraw themselves at any time during the term. However, requests submitted after the 60% (October 20, 2016) deadline will result in a course grade of "WF." Students and instructors will automatically receive an e-mail notification to their SPC e-mail whenever a withdrawal occurs.
Dual Enrollment and Early Admission students will only be assigned withdrawals through the Dual Enrollment Office or their respective advisor.

You are responsible for any information and/or assignments given during class, whether you are present or not. You are also responsible to be prepared for the next class meeting, including any assignments that are due. As part of modeling good practice, we will begin and end each class on time. At the end of the semester, you will be able to see in retrospect that it is important to attend and invest your time and energy in passing this course. It is not acceptable to be tardy, texting, eating, drinking, talking, and leaving the class early.

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.

EARLY ALERT:

You are enrolled in a course where the Early Alert System is being used. This system allows the instructor to notify student support specialists of any issues that may affect your success as a SPC student. If you are contacted by a student support specialist then the two of you will be able to address your barriers to success. You will also be informed about campus and community resources available to you.

ACCESSIBILITY RESOURCES:

Accessibility Resources at SPC wants to help you succeed. If you have a documented disability or think that you may have learning or other disability and would like to request accommodations, please make an appointment with the Learning Specialist at 791-2628 or 791-2710 (CL/EPI), 341-4316 (SP/G), 394-6289 (SE), 712-5789 (TS), 341-3721 (HEC), 341-4532 (AC), or 341-7965 (DT), to complete the intake process and determine your eligibility for reasonable accommodations. If you would like more information, you can learn more about Accessibiity Resources at https://www.spcollege.edu/accessibility/ It is important during the first week to give the instructor a copy of your Disability Accommodations sheet so they may be met. Please also inform your teacher of any special needs or accommodations by sending a copy of your accommodations sheet to her as an email attachment.

ELECTRONIC DEVICES:

The use of cell phones, MP3 players, iPod, tablets, laptops, and other electronic devices is a distraction. Please ensure that all devices are off (or in silent mode). Under no circumstance should any electronic device be used during any classroom assessment. If an emergency arises, please be courteous and leave quietly.

EMERGENCY PREPAREDNESS:

The college website at www.spcollege.edu is the official source of college information regarding the status of the institution. Other important information will be communicated via SPC Alert, local media outlets, and the college toll free number 866-822-3978. All decisions concerning the discontinuation of college functions, cancellation of classes, or cessation of operations rest with the President or his/her designee. In the event that a hurricane or other disaster causes closure of St. Petersburg College facilities, you may be provided the opportunity to complete your course work online. Following the event, please visit the college web site for an announcement of the College's plan to resume operations. In the event of an emergency and we are not able to meet face-to-face, you are expected to log into MyCourses and read the communication from your professor that will explain how we will use the MyMathLab resources to continue to work on assignments.

SUCCESSFUL COURSE COMPLETION: SUCCESS DEMANDS EFFORT

•Take responsibility for studying, recognizing what you do and don't know, and knowing how to get me to help you with what you don't know.
•Attend class every day ON TIME and take complete notes. Test questions are based on the modeled examples covered in MyMathLab as well as on those in the text.
•Be an active participant in the classroom; hence, all electronic devices are not to be used in class. Get ahead in the ebook; try to work some of the problems before they are taught in class. Anticipate what the next step will be.
•Ask SPECIFIC questions in class! There are usually other students wanting to know the answers to the same questions you have. It is pleasing to know when students are interested in their learning and you will be actively helping yourself.
•Math is learned by doing problems not just from watching someone. Take advantage of processing the content with a partner using your detailed notes and the text to get a complete understanding of the material. This process helps you learn the techniques you do need to know, as well as improve your problem-solving prowess.
•A word of warning and encouragement: Each class builds on the previous ones, all semester long. You must keep up with the objectives, read the text, and complete all assignments ON TIME. Falling a day behind puts you at a disadvantage. Falling a week behind puts you in deep trouble. You're always reviewing previous material as you do new material. Many of the ideas hang together. Identifying and learning the key concepts means you don't have to memorize as much.
•Take responsibility for keeping up with your assignments. Make sure you find out how to do it.
•You need to spend at least 8 hours studying per week - you do more of the learning outside of class. The more challenging the material, the more time you should spend on it.

•Form a study group, Use the Learning Support Commons, Use Smarthinking, Use Khan Academy, Use the Content Videos, Use the PowerPoints. Go over problems you've had trouble with. Either someone else will help you or you will discover several students are stuck on the same problems. Then it's time to get help from me.
•I am a facilitator of mathematics learning, not a crutch. I am your encourager that will give you hints as you need them in order for you to discover how to do problems. But I should not, nor be expected to, actually do the work you need to do. I am here to help you figure out how to learn math for yourself.

MyMathLab REGISTRATION:
Directions are in MyCourses but the teacher will assist to do this in class during the first week.

GRADING:

GRADING RATIONALE:

Assignments	**40%**
-Classwork	10%
-Homework	20% (drop 1 lowest)
-Final Exam Review	10%
Assessments	**60%**
-Tests	25%
-Final Exam	35%

Classwork (10%)
Consists of the completion of individual activities and/or partner work to retain information presented. Active learning, particularly cooperative learning, is a very effective method for students to learn mathematics. Active learning will be accomplished using classroom activities and/or projects.

Homework in MyMathLab (20% drop 1 lowest)
Consists of Practice Exercises completed in MyMathLab by 10:45 am on the due date, unlimited attempts given, highest score used, and different questions each attempt. If you miss class, you are responsible for checking and completing any homework that is assigned. If you do not complete the homework while it is available in MyMathLab you will receive a zero. One lowest grade is dropped.

Final Exam Review (10%).
This is a required review for the final exam. This review can be found in MyCourses. It is your responsibility to complete the review by the deadline designated by your instructor (please refer to the Class Calendar). It is advisable that you take the review multiple times in order to better prepare for the actual exam. You may use all notes in your book in completing this review (10%) in preparation for the **Final Exam (35%)**
There will be a comprehensive pencil/paper final exam completed in class. If you miss the exam, you will receive a zero.

Test (25%) There are 3 REQUIRED Tests.
You are expected to take these tests without the use of a book, notes, or calculator during class time. A basic calculator can be used after Chapter 8. There are no makeups given for missed tests. If you miss the tests, you will receive a zero. The Final Exam grade may substitute ONCE for either one low test grade or r one missed test grade of zero.

Final Exam (35%)
There will be a comprehensive pencil/paper final exam completed in class. If you miss the exam, you will receive a zero. NO EXCUSES!

Testing: *To encourage students to make every effort to be present for all tests and/or exams,* ***no makeup tests and/or exams will be allowed****. Students are strongly encouraged to earn a grade of 70% or higher on each test and/or exam.*

NO LATE WORK OR MAKE-UPS OR EXTRA CREDIT!!!

Course Grade = .1(CW avg.) +.20(HW avg.) +.10(FER)+ .25(T avg.) +.35(FE avg.)

GRADES ARE RECORDED IN MyCourses!!!

GRADING SCALE:

A 90% - 100%
B 80% - 89%
C 70% - 79%
F/N 0 % - 69%

Students on their third attempt cannot withdraw from the class after the first week. Grades of "I" (Incomplete) are NOT given in this course. If you do not complete the course by the scheduled final exam date, you will receive an "F" for the course.

STUDENTS' EXPECTATIONS AND INSTRUCTOR'S EXPECTATIONS:

INSTRUCTOR'S EXPECTATIONS OF STUDENTS:

Your participation in this course is critical for the learning process. You should:
(1) log in to MyCourses and MyMathLab several times weekly
(2) read all email communications and reply if asked
(3) come to class ready to engage in meaningful mathematical discourse
(4) treat the opinions of others with respect and tolerance
(5) complete all assignments on time and with thoughtfulness
(6) practice academic honesty in all your work
(7) come to class on time (with cell phones off) and plan to remain for the entire class
(8) contact the instructor promptly if there is an ongoing problem requiring special attention.

In college, students pay tuition for the privilege to sit in the classroom and participate in lecture and class discussion. Healthy and appropriate participation is a wonderful phenomenon, promoting a positive learning environment for all (an understandable expectation for both student *and* instructor). In contrast, sometimes individual students choose to disengage from normal class activity and consciously decide to engage in behavior which is distracting to, and negatively impacts other students; students who are trying to participate normally. These negative behaviors can originate from a multitude of poor choices and are inappropriate in higher education.
For example, various categories and models of personal electronics exist today – ranging from texting-enabled smart-phones, to music players with cameras and wireless Internet capability. Albeit this technology is fascinating, exciting, and personally entertaining, however, their use during class-time is ALWAYS distracting to the individual user's classmates.

WHAT STUDENTS CAN EXPECT FROM INSTRUCTOR:

The instructor will establish and maintain, with your involvement and help, a safe, comfortable learning environment in which your opinions and thoughts are valued.
The instructor will make meaningful assignments designed to broaden your knowledge and help improve your ability to problem solve utilizing the critical thinking skills developed in the study of Mathematics.
The instructor will offer you total availability to address any concerns or issues that may interfere with the learning process inside or outside of the classroom.
You can expect that the instructor will keep the course moving at a reasonable pace in order to satisfy the stated learning objectives.
The instructor will respect your thoughts, opinions and questions regarding the concepts being studied in this course and will attempt – to the best of the instructor's ability – to work with you in answering all your questions.
The instructor will supply fair, honest and timely evaluation of your progress in learning the concepts outlined in the objectives for this course.

SIGNATURE PAGE:

I have read, understand, and agree to abide fully by the parameters set in this syllabus and Syllabus Addendum.
Student Signature: **Date:**

Tentative Course Schedule*

*Adjustments may be made due to differences in class meeting patterns, official college holidays, or instructor prerogative.

Week #	***Week of***	***Topics***	***Homework***	***Assessment***
1	August 16 August 18	*Chapter 1* *Chapter 2*	**Homework 1-4 MML** **Due 9/1**	
2	August 23 August 25	*Chapter 3* *Chapter 4*	**Homework 1-4 MML** **Due 9/1**	
3	August 30 September 1	*Chapter 4* *Test 1Review (Ch1-4)* *Test#1(Ch1-4)*	**Homework 1-4 MML** **Due 9/1** **Test 1 Review** **Due: 9/1**	**Test 1 on Ch 1-4 9/1**
4	September 6 September 8	*Chapter 5&6*	**Homework 5,6,8 MML** **Due: 9/20**	
5	September 13 September 15	*Chapter 6&8* *Test 2 Review(Ch5,6,8)*	**Homework 5,6,8 MML** **Due: 9/20** **Test 2 Review** **Due: 9/20**	
6	September 20 September 22	*Test #2(Ch5,6,8)* *Chapter 9*	**Test 2 Review** **Due: 9/20**	**Test 2 on Ch 5,6,8 9/20**
7	September 27 September 29	*Chapters 9& 10* *Chapter 10*	**Homework 9-11 MML** **Due: 10/25**	
8	October 4 October 6	*Chapter 10*	**Homework 9-11 MML** **Due: 10/25**	
9	October 11 October 13	*Chapter 11*	**Homework 9-11 MML** **Due: 10/25**	
10	*College Closed October 18* All College Day October 20	*Chapter 11* *Test 3 Review (Ch9-11)*	**Homework 9-11 MML** **Due: 10/25** **Test 3 Review** **Due: 10/25**	
11	October 25 October 27	*Test #3 (Ch9-11)* *Chapter 12*	**Test 3 Review** **Due: 10/25**	**Test 3 on Ch 9-11 10/25**
12	November 1 November 3	*Chapter 12*	**Homework 7,12,13,15 MML** **Due: 11/22**	

13	November 8 November 10	*Chapter 13*	**Homework 7,12,13,15 MML Due: 11/22**	
14	November 15 November17	*Chapters 7 &15*	**Homework 7,12,13,15 MML Due: 11/22**	
15	November 22 Class *11/23-11/27 Thanksgiving Break*	*Test #4 (Ch 7,12,13,15)*		**Test 4 on Ch 7, 12,13,15 11/22**
16	November 29 & December 1	*Final Exam Review*	**Final Exam Review Due: 12/1**	
17	Final Exam is on Tuesday,December 6 8am-9:50am *Note that this is a time change* No class on December 8: Course work completed on Dec.6	*http://www.spcollege.edu/FinalExamSchedule/*		**Final Exam**

MAT0022 Assignments Fall 2016

- 0.1: Answering Exercises Orientation
- 1.2: Place Value Homework
- 1.3: Adding and Subtracting Whole Numbers
- 1.4: Rounding and Estimating Homework
- 1.5: Multiplying Whole Numbers and Area
- 1.6 Dividing Whole Numbers Homework
- 1.7: Exponents and Order of Operations

- 2.1: Introduction to Integers
- 2.2: Adding Integers
- 2.3: Subtracting Integers
- 2.4: Multiplying and Dividing Integers
- 2.5: Order of Operations
- 2.6: Solving Equations

- 3.1: Simplifying Algebraic Expressions
- 3.2: Solving Eq: Add and Mult Properties
- 3.3: Solving Linear Eq in One Variable
- 3.4: Linear Eq in One Var & Prob Solving

- 4.1 Intro to Fractions and Mixed Numbers
- 4.2: Factors and Simplest Form
- 4.3: Multiplying and Dividing Fractions
- 4.7: Operations on Mixed Numbers

- 5.1: Introduction to Decimals
- 5.2: Adding and Subtracting Decimals
- 5.3: Multiplying Decimals
- 5.4: Dividing Decimals
- 5.5: Fractions,Decimals,Order Operations

- 6.1: Ratio and Proportion
- 6.2: Percents, Decimals, and Fractions
- 6.3: Solving Percent Problems with Eq
- 6.4: Solving Percent with Proportions
- 6.5: Applications of Percent
- 6.6: Percent and Problem Solving
- 6.7: Percent and Problem Solving
- 8.2: Perimeter
- 8.3: Area
- 8.4: Linear Measurement
- 8.5: Weight and Mass
- 8.6: Capacity
- 8.7: Temperature and Conversions

- 9.1: Symbols and Sets of Numbers
- 9.2: Properties of Real Numbers
- 9.3: Further Solving Linear Equations
- 9.5: Formulas and Problem Solving
- 9.6: Linear Inequalities & Problem Solv

- 10.1: Exponents
- 10.2: Negative Exp and Sci Notation
- 10.3: Introduction to Polynomials
- 10.4: Adding and Subtracting Polynomials
- 10.5: Multiplying Polynomials
- 10.6: Special Products
- 10.7: Dividing Polynomials

- 11.1: The GCF and Factoring by Grouping
- 11.2: Factoring Trinomials LC1
- 11.3: Factoring Trinomials LC > 1
- 11.4: More Factoring Trinomials LC >1
- 11.5: Special Factoring
- 11.6: Solving Quadratic Eq by Factoring

- 12.1: Simplifying Rational Expressions
- 12.2: Mult and Divide Rational Exp
- 12.3: Add and Subtract Rational Exp
- 12.4: Adding and Subtract Rational Exp

- 13.1: The Rectangular Coordinate System
- 13.2: Graphing Linear Equations
- 13.3: Intercepts
- 13.4: Slope and Rate of Change
- 13.5: Graphing Using Slope Intercept
- 15.1: Introduction to Radicals
- 15.2: Simplifying Radicals
- 7.3: Square Roots and the Pythagorean
- 15.3: Adding and Subtracting Radicals
- 15.4: Multiplying and Dividing Radicals