

## **MAT 0022 (3409) Developmental Mathematics**

**Fall Term 2015 (Term #0505)**



St. Petersburg College

**Welcome to MAT0022 I'm glad you're here**

Instructor Name: Thomas Greilick  
Instructor WebPage: <http://www.spcollege.edu/instructors/id/greilick.thomas>  
Office Phone: 727-791-2700  
E-mail: [To message Professor Greilick, please use the My Courses e-mail system.](#)  
Office Location: NM111  
Start Date: 8/18/2015  
End Date: 12/11/2015  
Course Credits: 5  
Class Number: 3409  
Course Location: NM157  
Meeting Days: Tuesday and Thursday  
Class Times: 9:30AM – 11:45AM

### **ACADEMIC DEPARTMENT**

Dean of Math: Mr. Jimmy Chang  
Office Location: SP/G SA-215B  
Office Number: 727-341-4305

Academic Chair: Dr. Joy Moore  
Office Location: NM120  
Office Number: 727-791-2542

### **Required Text (MUST purchase)**

**ISBN: 9780133910551**

You will be purchasing MYMATHLAB SAC Pkg.  
The package contains a Student Organizer and Student Access Code providing access to the MyMathLab (MML) online learning environment.  
The following electronic textbook (NOT a printed-on-paper textbook) is contained and accessible through the MyMathLab (MML) program:

**Elayn Martin-Gay: Prealgebra & Introductory Algebra, Fourth Edition Publisher: Pearson, eBook**

## **Recommended Text (optional, not necessary)**

**ISBN: 2810050007892**

Binder 1.5" White for Looseleaf Text

### **Note**

MyMathLab (MML) access/license purchased through the SPC bookstore at <http://spcollege.bnccollege.com> or online through Pearson is good for courses based on the same book and same edition, not a length of time. Licenses purchased through different vendors are often valid for the time frame or policies as stated by those vendors. This implies that **if** your MyMathLab (MML) license **is not purchased at an SPC bookstore or through Pearson** at this time and you need to repeat this course for any reason and you have purchased from a different vendor, you **may** need to purchase a new MyMathLab (MML) license at the time of that future repeated attempt of this course. Also, it is up to the location that you purchased your access from to deny or accept returns, so you will need to check with the vendor policy before opening and using your purchased package, as some do not allow for returns once the package is opened. It is VERY IMPORTANT for you to not open the package purchased if you are not sure whether you are actually staying with the course.

### **Optional Materials**

TI-30 Recommended.

Calculators may be used to **check** your homework; however, calculators are **NOT** permitted on Tests or Exams.

### **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.

### **Course Objectives**

[MAT 0022 Approved Course Outline](#)

### **Tentative Schedule**

Please view **Calendar** tab in My Courses and MyMathLab calendar.

## Important Dates

SPC calendar: <http://www.spcollege.edu/calendar/>

### LAST DAY TO DROP, RECEIVE

REFUND, AND/OR CHANGE TO AUDIT: 08/21/2015

LAST DAY TO WITHDRAW WITH GRADE OF "W": 10/22/2015

MIDTERM EXAM : \_\_\_\_\_

FINAL EXAM : Tuesday Dec 8, 2015 10:00AM – 11:50AM

Final Exam Schedule: <http://www.spcollege.edu/FinalExamSchedule/>

## No Classes

Labor Day 9/07/2015

Veterans Day 11/11/2015

College Day 10/20/2015

Thanksgiving Break 11/25/2015 – 11/29/2015

Winter Break 12/12/2015 – 1/06/2015

## Course Requirements

### ASSIGNMENTS

All course work/assignments must be completed by the appropriate due dates. Please refer frequently to the **Calendar** in My Courses and the MyMathLab calendar to maintain awareness of due dates and testing date(s). A grade of zero may be assigned to any course requirement not completed by its due date.

Students are required to read and respond to all email and to participate in class discussions and activities. Students are **STRONGLY** recommended to register and logon to SMARTTHINKING at least one time in the first 2 weeks of class or visit the tutors in the Learning Support Commons.

### MYMATHLAB ASSIGNMENTS – Homework and Quizzes (20% of final grade)

MYMATHLAB is integrated with a textbook, multimedia, and homework assignments. Students are expected to complete **all** the assignments and activities that are contained within the MyMathLab course. The assignments will include homework and quizzes. Quizzes may be given in class or online. All quiz questions will be taken from the MyMathLab homework. The reviews in MyMathLab before each test will count as 100 point homework assignments. You may be quizzed on any previously opened homework assignment, so be sure to bring your questions from the homework to class. You may have quiz questions from homework you are still working on because you are expected to work on your homework lesson the same day we cover it in class. However, the homework will be left open for two extra days to give you time to complete it. If you miss a class, you are still responsible for missed assignments. Please check with a classmate to find out what you missed.

**Students are expected to complete 100% of all homework assigned.**

#### **4 Tests – one attempt (20% of final grade)**

There are 4 required Tests. These are timed tests in which you will have 1 attempt. The tests may be in class or online. You are expected to take these Tests without the use of a book, notes or a calculator or help from another person. Failure to take the Tests by the due date may result in a student receiving a zero (0). There are no make ups given for missed assignments.

#### **Midterm Review and Final Exam Review – multiple attempts (10% of final grade)**

These are required reviews for the midterm exam and the final exam. These reviews can be found in **My Courses** or **MyMathLab**. It is your responsibility to complete the reviews by the deadlines designated by your instructor (please refer to the MyMathLab calendar). It is advisable that you take the reviews multiple times in order to better prepare for the actual exam. You may use all notes and your book in completing these reviews in preparation for the exams. However, you will NOT be permitted to use a book, notes or a calculator on the exams.

#### **Midterm Exam – one attempt, proctored/supervised (20% of final grade)**

For all students, the Midterm Exam must be taken by the date assigned. Failure to take the Midterm by the due date will result in a zero (0). There are NO Make-up exams. You should pass the Midterm Review with a 70% or higher before you take the Midterm. This exam is timed and MUST be proctored (supervised). You may not use your books, notes, calculators or any other resources while testing. Academic honesty policies will be strictly enforced. It is the responsibility of the student to act above suspicion while taking tests/exams. All students requiring special testing arrangements because of a documented disability must first coordinate with SPC's Disability Resources (<http://www.spcollege.edu/dr/>). Students accommodated by SPC's Disability Resources with special testing arrangements must schedule their test/exam with the Testing Center, and their *instructor*, sufficiently in advance of any need.

#### **Final Exam – one attempt, proctored/supervised (30% of final grade)**

**Failure to take the Final Exam by the due date will result in a zero (0). There are NO Make-up exams.**

You should pass the Final Review with a 70% or higher before you take the Final Exam. You must have a minimum score of 60% on the Final Exam with an overall average of 70% in the class to pass. This exam is timed and MUST be proctored (supervised). You may not use your books, notes, calculators or any other resources while testing. Academic honesty policies will be strictly enforced. It is the responsibility of the student to act above suspicion while taking tests/exams. All students requiring special testing arrangements because of a documented disability must first coordinate with SPC's Disability Resources. Students accommodated by SPC's Disability Resources with special testing arrangements must schedule their test/exam with the Testing Center, and their *instructor*, sufficiently in advance of any need.

## **Course Links**

SPC Student HelpDesk (for Technical Support with D2L):

[www.spcollege.edu/helpdesk/](http://www.spcollege.edu/helpdesk/)

MYMATHLAB CUSTOMER SUPPORT (for Technical Support with MYMATHLAB):

<http://www.pearsonmylabandmastering.com/northamerica/mymathlab/students/support/index.html>

MYMATHLAB / Sign In Page:

[www.mymathlab.com](http://www.mymathlab.com)

Syllabus Addendum:

<http://www.spcollege.edu/addendum/>

## **Grading Policy**

Students enrolled after the withdrawal deadline will receive a course letter grade based on the following grading scale (rounding shall be the instructor's discretion):

**90+: A | 80–89.9: B | 70–79.9: C | ≤69.9: F**

### **Note**

UNDER NO CIRCUMSTANCES will a student receive a W grade after the withdrawal deadline.

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.

Total course grade points will consist of an aggregate of points from the following areas:

**10% MYMATHLAB Homework**

**10% MYMATHLAB Quizzes**

**20% Tests**

**5% Midterm Exam Review**

**5% Final Exam Review**

**20% Midterm Exam**

**30% Final Exam**

## **Late Assignment and Make-Up Policy**

A student who misses a test will receive a zero (0). No make-up tests!

### **Extra Credit**

There is **NO** Extra credit available. Please see the Syllabus Addendum section on Grading and repeat course policies: <http://www.spcollege.edu/addendum/>

## **Attendance Policy**

The college-wide attendance policy is included in the Syllabus Addendum <http://www.spcollege.edu/webcentral/policies.htm>.

The policy notes that each instructor is to exercise professional judgment and define “active participation” in class (and therefore “attendance”), and publish that definition in each syllabus. **For this class, attendance is defined as being in class at 9:30 am and staying until 11:45 pm and not missing more than two classes before 10-22-2015 inclusive or two classes after 10-22-2015. Active participation includes responding to Early Alerts and completing all homework, quizzes and tests on time with a minimum average score of 70%. Also, each student must meet with the instructor after each test and the midterm to discuss your progress in the class. Otherwise, he/she will be classified as not actively participating and may be administratively withdrawn from class. Students who do not meet the active class participation requirement will be withdrawn from the course with a failing grade.**

## **Disability Policy**

Disability 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 on your campus. If you will need assistance during an emergency classroom evacuation, please contact your campus learning specialist immediately about arrangements for your safety.

Disability Resources staff can be reached at 791-2628 or 791-2710 (CL and EPI), 341-4316 (SP/G), 394-6289 (SE), 712-5789 (TS), 341-3721 (HEC), 341-4532 (AC), or 341-7965 (DT).

If you would like more information, you can learn more about Disability Resources on our website: <http://www.spcollege.edu/dr/>

## **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.

## **Emergency Preparedness**

The college website at [www.spcollege.edu](http://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.

## **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.

### **OTHER SUPPORT SERVICES**

#### **Tutoring**

<http://www.spcollege.edu/tutoring/>

#### **COLLEGE CALENDAR**

[www.spcollege.edu/calendar/](http://www.spcollege.edu/calendar/)

#### **CAREER DEVELOPMENT SERVICES**

<http://www.spcollege.edu/careerservices/>

#### **INTERNATIONAL STUDENT SERVICES**

<http://www.spcollege.edu/internationalstudents/>

#### **SPC VETERAN AFFAIRS**











[www.spcollege.edu/veterans/](http://www.spcollege.edu/veterans/)

#### **FINANCIAL AID**

<http://www.spcollege.edu/getfunds/>

## MAT 0022 – Homework Sections – subject to change

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-  [O.1: Answering Exercises Orientation](#)
-  [1.2: Place Value Homework](#)
-  [1.3: Adding and Subtracting Whole Numbers Homework](#)
-  [1.4: Rounding and Estimating Homework](#)
-  [1.5: Multiplying Whole Numbers and Area Homework](#)
-  [1.6 Dividing Whole Numbers Homework](#)
-  [1.7: Exponents and Order of Operations Homework](#)
-  [2.1: Introduction to Integers Homework](#)
-  [2.2: Adding Integers Homework](#)
-  [2.3: Subtracting Integers Homework](#)

- [H 2.4: Multiplying and Dividing Integers Homework](#)
- [H 2.5: Order of Operations Homework](#)
- [H 2.6: Solving Equations: Homework](#)
- [H 3.1: Simplifying Algebraic Expressions Homework](#)
- [H 3.2: Solving Eq: Add and Mult Properties Homework](#)
- [H 3.3: Solving Linear Eq in One Variable Homework](#)
- [H 3.4: Linear Eq in One Var & Prob Solving Homework](#)
- [H 4.1 Intro to Fractions and Mixed Numbers Homework](#)
- [H 4.2: Factors and Simplest Form Homework](#)
- [H 4.3: Multiplying and Dividing Fractions Homework](#)
- [H 4.7: Operations on Mixed Numbers Homework](#)
- [H 5.1: Introduction to Decimals Homework](#)
- [H 5.2: Adding and Subtracting Decimals Homework](#)
- [H 5.3: Multiplying Decimals Homework](#)
- [H 5.4: Dividing Decimals Homework](#)
- [H 5.5: Fractions,Decimals,Order Operations Homework](#)
- [H 6.1: Ratio and Proportion Homework](#)
- [H 6.2: Percents, Decimals, and Fractions Homework](#)
- [H 6.3: Solving Percent Problems with Eq Homework](#)
- [H 6.4: Solving Percent with Proportions Homework](#)
- [H 6.5: Applications of Percent Homework](#)
- [H 6.6: Percent and Problem Solving Homework](#)
- [H 6.7: Percent and Problem Solving: Int Homework](#)

- [!\[\]\(f1baaede8f2dd2b0cd8139a15f012dd1\_img.jpg\) 8.2: Perimeter Homework](#)
- [!\[\]\(38c4208cc2e48561702146f3b41cc81d\_img.jpg\) 8.3: Area Homework](#)
- [!\[\]\(d510d6da6efeca0d2d0bee8915785b09\_img.jpg\) 8.4: Linear Measurement Homework](#)
- [!\[\]\(72fc69417949bc95b62668fd49778598\_img.jpg\) 8.5: Weight and Mass Homework](#)
- [!\[\]\(212745d4f83ee80b66997f821826c43a\_img.jpg\) 8.6: Capacity Homework](#)
- [!\[\]\(1f65c36eefeba627b8545ada3b54da3f\_img.jpg\) 8.7: Temperature and Conversions Homework](#)
- [!\[\]\(708c1d94b97502b8ffa4e99cfb4481a0\_img.jpg\) 9.1: Symbols and Sets of Numbers Homework](#)
- [!\[\]\(ff5e855fb7e8d1911f6604748049c019\_img.jpg\) 9.2: Properties of Real Numbers Homework](#)
- [!\[\]\(ecfd24c79b52de40fd4d09629bc407d9\_img.jpg\) 9.3: Further Solving Linear Equations Homework](#)
- [!\[\]\(f0ff422214a811519534af1185aa1298\_img.jpg\) 9.5: Formulas and Problem Solving Homework](#)
- [!\[\]\(52ad3ce1f3a82627c0a414a3253c1ecf\_img.jpg\) 9.6: Linear Inequalities & Problem Solv Homework](#)
- [!\[\]\(153a8b8fa18b6511ebc6330fe66afeb6\_img.jpg\) 10.1: Exponents Homework](#)
- [!\[\]\(765fe8381e1bcc11cc39ef938e898be5\_img.jpg\) 10.2: Negative Exp and Sci Notation Homework](#)
- [!\[\]\(ea29f75b03289eb7bccbdb31c9636da6\_img.jpg\) 10.3: Introduction to Polynomials Homework](#)
- [!\[\]\(20bebcb5f60c2319dee98d4a55b9e6a8\_img.jpg\) 10.4: Adding and Subtracting Polynomials Homework](#)
- [!\[\]\(16c70d88c4caf9d2d1f9bf6dc3969856\_img.jpg\) 10.5: Multiplying Polynomials Homework](#)
- [!\[\]\(71300866dc21911be23dc7fbf843cb50\_img.jpg\) 10.6: Special Products Homework](#)
- [!\[\]\(e1e19809b2c5e6a43cf7fdf489336691\_img.jpg\) 10.7: Dividing Polynomials Homework](#)
- [!\[\]\(c309f8cab67094dd5e5cd5b51b2c5636\_img.jpg\) 11.1: The GCF and Factoring by Grouping Homework](#)
- [!\[\]\(4b14ec354eaa54eca651d4f4a5aa04f8\_img.jpg\) 11.2: Factoring Trinomials LC1 Homework](#)
- [!\[\]\(ff746862283c28bfb854933eb2b3e026\_img.jpg\) 11.3: Factoring Trinomials LC > 1 Homework](#)
- [!\[\]\(ad8f8cb72cf076f4be11c3ee49431db3\_img.jpg\) 11.4: More Factoring Trinomials LC >1 Homework](#)
- [!\[\]\(aa07192eae47cfe34658af366aa2b1f6\_img.jpg\) 11.5: Special Factoring Homework](#)

- [H 11.6: Solving Quadratic Eq by Factoring Homework](#)
- [H 12.1: Simplifying Rational Expressions Homework](#)
- [H 12.2: Mult and Divide Rational Exp. Homework](#)
- [H 12.3: Add and Subtract Rational Exp Homework](#)
- [H 12.4: Adding and Subtract Rational Exp Homework](#)
- [H 13.1: The Rectangular Coordinate System Homework](#)
- [H 13.2: Graphing Linear Equations Homework](#)
- [H 13.3: Intercepts Homework](#)
- [H 13.4: Slope and Rate of Change Homework](#)
- [H 13.5: Graphing Using Slope Intercept Resources](#)
- [H 13.5: Graphing Using Slope Intercept Homework](#)
- [H 15.1: Introduction to Radicals Homework](#)
- [H 15.2: Simplifying Radicals Homework](#)
- [H 7.3: Square Roots and the Pythagorean Homework](#)
- [H 15.3: Adding and Subtracting Radicals Homework](#)
- [H 15.4: Multiplying and Dividing Radicals Homework](#)