

St. Petersburg College



**MAT 1033 INTERMEDIATE ALGEBRA**

**Section 84 Class 227**

**SP-SA219, T,Th 12:00PM – 1:15PM**

**SYLLABUS**

**Fall 2023**

**INSTRUCTOR:** Rod Perry  
Phone: 341-3573 (SPC Gibbs math office)  
Office Hours: By appointment  
E-mail please use MyCourses email  
Alt. E-mail: **perry.rod@spcollege.edu**

(The Alt. E-Mail is subject to SPC spam blocker, I might not get your email if you use this email address. Use Angle to contact me)

**ACADEMIC DEPARTMENT: Mathematics**

Dean: Jimmy H Chang  
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**COURSE PREFIX AND NUMBER: MAT 1033**

**COURSE NAME:** Intermediate Algebra

Requisites: Prerequisite: Appropriate score on an SPC approved assessment, or completion of required developmental education coursework.

This course is part of **the First Day™ Inclusive Access Program**. **First Day™** is a partnership between Barnes & Noble College, SPC and the Publisher to bring your course materials to you through MyCourses at a discounted price.

**If you purchased the eBook elsewhere you can Opt-Out [as described below]. You will need the eBook to complete assignments in this class.**

- With First Day™ you are prepared with immediate access to your required materials on the first day of class.
- You have the option to opt out of the program within the first week of class if you want to purchase your materials elsewhere. Opting out of the program is likely to cause you to pay a higher rate. **The Opt-Out date is 7 days after the first day of class.**

- The materials that are accessed through My Courses are **NOT** included in your tuition.
- If you do not click on the button to opt out as described in the First Day Opt-Out document [below], SPC will bill your student account at the First Day price **after the Opt-Out deadline passes- approximately 2 weeks after your class starts**. This will show as a bookstore charge. You will pay this to the SPC business office.
- If you are using a 3<sup>rd</sup> party vendor for your course materials such as Chapter 31, Vocational Rehabilitation, Dual Enrollment, etc. we will bill the 3<sup>rd</sup> party vendor for you.
- First Day™ course materials are digital versions of the physical textbook that may include additional educational resources such as workbooks, problem sets, tutorials, video, simulations, and interactive software. Digital textbooks have many features that allow you to interact with your course content like never before. Depending on the course materials used, features may include highlighting, annotation, search functions, and multimedia links. All First Day™ materials are easy to access through MyCourses.
- First Day™ materials are accessible through the internet, so it goes where you go, on whichever device you want.

Please note that for Pearson courseware (MyLab Math) you must activate your enrollment in your Pearson courseware section [with your username/password or by creating a new account] within the first week of class. Failure to complete this step may result in hitting a “paywall” in the future – even though you remained in the First Day Program.

## **Learning Outcomes and Objectives:**

### **1. The student will apply concepts of solving equations and inequalities by:**

- identifying the slope and y-intercept of a line graphically and algebraically.
- writing the equation of a line given two points or one point and the slope.
- solving systems of linear equations in two variables graphically and algebraically.
- solving systems of linear inequalities in two variables by graphing.
- translating applied problems from their verbal descriptions into linear equations and solving the problem.
- solving literal equations.

### **2. The student will apply concepts of solving nonlinear equations and simplifying nonlinear expressions by:**

- solving quadratic equations by factoring.
- solving quadratic equations using the quadratic formula.
- solving quadratic equations that result in complex number solutions.
- solving application problems which require the use of quadratic equations.
- simplifying and performing arithmetic operations with radical expressions.
- multiplying and dividing exponential expressions with rational exponents.
- solving radical equations involving one radical expression (square root).
- solving quadratic equations using the square root method.

### **3. The student will perform the methods of factoring polynomials by:**

- factoring using the greatest common factor.
- factoring by grouping.
- factoring trinomials of the forms  $x^2+bx+c$ ,  $ax^2+bx+c$ , and perfect square trinomials.
- factoring the difference of squares.
- factoring the sum and difference of cubes.

### **4. The student will apply concepts of rational expressions by:**

- performing arithmetic operations on algebraic fractions including monomial, binomial, and trinomial denominators.
- simplifying rational expressions.
- solving rational equations.

### **5. The student will perform the basic concepts of functions by:**

- a. using functional notation to evaluate a function.
- b. graphing a linear function.
- c. applying the vertical line test.
- d. identifying the domain and range of a function.

Criteria Performance Standard:

In order to earn a grade of C or better, the student will achieve at the 70% level or higher on classroom measures. Upon successful completion of the course, the student will, with a minimum of 70% accuracy, demonstrate mastery of each of the above stated objectives through classroom measures developed by individual course.

**Course Description:** Major topics include: factoring, algebraic fractions, radicals and rational exponents, complex numbers, quadratic equations, rational equations, linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introduction to functions, and applications.

## COURSE GOALS

1. The student will demonstrate an understanding of properties and terminology when working with mathematical expressions.
2. The student will demonstrate an understanding of algorithmic processes and concepts when performing algebraic manipulations, interpretations and computations on mathematical expressions, equations and inequalities.

**Required:** Custom MyMathLab for Online MAT 1033 Tobey/Slater 8e for SPC and

**Publisher Information:** A MyMathLab Access Code is required to participate in this course. The access code can be purchased alone. In the meantime then please continue to use the grace period until it expires after which time when you attempt to access your Assignments Pearson will then prompt you to enter your Access Code.

**ISBN-13:**

**18 week MML code : 9780135909942**

**24 month MML code: 9780135909805**

**(MyMathLab Access Code only)**

**NOTE: Students who purchase an 18 week code would need to purchase a new code if they were required to repeat the course.**

**IMPORTANT:** If you are currently unable to purchase an Access Code -or- you are waiting for your Access Code, you can still register with MML and begin your course work on the first day of classes. Pearson allows all students a grace period before an Access Code is required. Please get started on your course work right away. Also, if you elect to use Pearson's grace period and acquire your

## 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:

### IMPORTANT DATES

#### SPC Spring Full Term

Aug.14	<b>Classes Begin</b>
Aug. 16	<b>Last day to add a class</b>
Financial aid deadlines	<b>View all financial aid deadlines</b>
Aug. 18	<b>Last Day to Drop with a Refund</b>
Oct. 28	<b>Last Day to Withdraw with Grade of "W"</b>
Sep. 4	<b>Labor Day</b>
Nov. 10	<b>Veterans Day Observed</b>
Nov. 19 - 25	<b>Final exams</b>

Academic Calendar: <https://www.spcollege.edu/academic-calendar>

### ATTENDANCE

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.

The Instructor will verify that students are in attendance every class meeting. Students will be classified as

“No Show” if they do not attend class during the first two weeks they will be administratively withdrawn.

**For this class, attendance is defined as:** Must be in the classroom on time and respond to emails and/or complete assignments, tests/exams & assessments required by your Instructor as well as completing Assignments (Homework, Reviews, Tests, Quizzes, and Exams) by the required deadlines. We will meet every Tuesday and Thursday from 8:00am - 9:15pm.

**Attendance is not optional as this is a 100% Face-to-Face class that meets on Campus.**

**60 % Participation policy for this course:** If a student fails to complete any combination of the following: one or more of any the assigned Tests/Assessments/Quizzes, and/or misses two or more Homework assignments, and/or misses the Midterm Exam (if there is a Midterm Exam) by their respective deadlines, and/or has 3 or more absences, and/or has a grade of 59% or below, then by the 60% point of the term (circa Oct. 28) the student will be classified as not actively participating which would result in being administratively withdrawn from class with a WF. Please note that a WF will become an F on the students’ transcripts. Students will be able to withdraw themselves at any time during the term up until the last date to withdraw. Students and the Instructor will automatically receive an email notification to their SPC email whenever a withdrawal occurs.

Immediately following the 60% point of the term, each Instructor will verify which students are actively participating in class. Students classified as not meeting the criteria for active class participation will be administratively withdrawn with a “WF”. Please note that if a student is receiving financial assistance and is also categorized as a WF, then the student may be required to pay back some or all financial aid:

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

## SPECIAL ACCOMMODATIONS

If you wish to request accommodations as a student with a **documented** disability, please make an appointment with the Learning Specialist on campus. If you have a documented hearing loss, please contact the Program for the Deaf/Hard of Hearing at 791-2628. If you will need assistance during an emergency classroom evacuation, please contact your campus learning specialist immediately about arrangements for your safety. The Office of Services for Students with Disabilities can be reached at 791-2628 or 791-2710 (CL), 341-4758 (SP/G), 394-6108 (SE) 712-5789 (TS) or 341-4532 (AC).

**Grading:** The class grade will be determined by an average of test scores, homework, and the final exam. Homework will be completed on My Math Lab. **Homework will not be accepted late for any reason.**

The final exam will be combined with the tests and homework to give the class grade.

**If you miss one (1) Test, the Final Exam will replace one missed Test.**

**If you take all 4 Chapter Tests, the Final Exam will replace the lowest Test grade only if the Final Exam grade is higher.**

The final grade will be a weighted average, and will be computed as follows, and will appear in MyCourses: (Grades in My Math Lab are not official grades and do not include tests.)

Tests	50%
Homework	25%
Final Exam	25%

Students should bring their own paper and a writing utensil to class each time, especially on test days. Do not use red ink for homework or tests.

Final grades will be based on the following scale:

90	–	100%	=	A,
80	–	89%	=	B,
70	–	79%	=	C,
60	–	69%	=	D,
0	–	59%	=	F

(The grades on Angel are unofficial. Averages will be truncated in determining the grade. Example 89.9% would be 89%)

**To encourage students to make every effort to complete their lessons on time, all Assignments are expected to be completed by their respective due dates. Late work is generally not permitted in this class. In extreme extenuating circumstances (such as hospitalization) for which appropriate documentation has been provided,**

then it is at the discretion of the Instructor to allow make-up work. Legal or medical documentation for yourself only can be provided (not a sibling, parent, cousin, friend, best friend, aunt/uncle, grandparent, significant other, pet, etc.)

If you miss any assessment or assignment, a zero score will be recorded for it. Again, a make-up assignments or assessments may be given ONLY if you submit appropriate medical documentation to justify an illness of oneself in a timely manner before the assignment/assessment takes place; or appropriate legal documentation is provided for oneself. Once tests are handed back to any of my classes (not just your class day/time) there are no make-ups and you will receive a "0" for that test.

Vacations; weddings; work schedules; forgetting or mixing up times/days; commute times - if you live in Tampa, Sarasota, Bradenton, Clearwater, etc.; transportation issues; etc. are not considered valid reasons for missing assignments and are not valid reasons for missing class. The passing or illness of an immediate family member only will be considered as a legitimate excuse – documentation must be provided for these circumstances as well. An immediate family member is defined as a son/daughter, spouse, or parent that you have legal Power of Attorney over their care.

## **ACADEMIC HONESTY**

St. Petersburg College has an Academic Honesty policy. It is your responsibility to be familiar with the policies, rules, and the consequences of violations. Read about the policy at:

<http://www.spcollege.edu/webcentral/admit/honesty.htm>. There is no tolerance for cheating and academic dishonesty. Discipline can range from a zero on that specific assignment to expulsion from the class with a grade of F. Note that copy/pasting published information, whether it's from your textbook or the Internet, without citing your source is plagiarism and violates this policy. Even if you change the words slightly, the ideas are someone else's, so you still have to cite your sources. Cheating, plagiarism, bribery, misrepresentation, conspiracy and fabrication are defined in Rule 6Hx23-4.461, Student Affairs: Academic Honesty Guidelines, Classroom Behavior.

## **EMERGENCY PREPAREDNESS**

In the event that a hurricane or other natural disaster causes significant damage to 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. This syllabus is currently available in ANGEL for your convenience. Log in to ANGEL to confirm that you have access, reporting any difficulty to the SPC Student Technical Call Center at 341-4357 or via email at [Onlinehelp@spcollege.edu](mailto:Onlinehelp@spcollege.edu)

## **CAMPUS SAFETY AND SECURITY**

For information on campus safety and security policies please contact daytime: 341-4657, after 7:30 pm: 791-2560, cell 639-3262. For information on registered sexual offenders on SPC campuses please contact campus security or the Associate Provost's office. For general information please go to the state of Florida's website at <http://www3.fdle.state.fl.us/sopu/index.asp>

## **STUDENTS' EXPECTATIONS AND INSTRUCTOR'S EXPECTATIONS**

What is expected of every student?

Whether in an online class or a physical classroom, certain behaviors are expected of every student. Students need to contribute to a positive learning/teaching environment, respecting the rights of others and their opportunity to learn. If a student becomes disruptive (e.g.: sending indecent emails to other students and/or the Instructor, submitting inappropriate postings to the Discussion boards) the Instructor may take disciplinary action including removing the student from the class. This ensures that all students in the class have an opportunity to learn. SPC expects students to be honest in all their academic work. By enrolling at the College, students agree to obey all the standards of academic honesty and integrity and students should also understand that failing to observe the rules may result in academic and disciplinary action, up to and including expulsion from the College. Please be sure to:

- Thoroughly and thoughtfully read the syllabus and abide by the contents of the syllabus.
- Act in a civil and respectable manner in addressing Instructor and peers.
- Log into MyCourses at least 4 times per week.
- Take an active role in this course, participating fully in class discussions by posting to the discussion board on a weekly basis.
- Read and respond in an appropriate manner to all faculty emails and class discussion.
- Be responsible for raising any questions or seeking clarification about all course materials and assignments.
- Submit assignments on time and complete assessments by the posted dates.
- Have constant access to a computer and the internet.
- Immediately seek assistance with assignments and all technical issues.
- Complete the Student Survey of Instruction.
- Become familiar with the College's Academic Honesty Policy.
- Understand that failure to comply with the Academic Honesty Policy may result in disciplinary action.

**For more information please visit the [How to be a Successful Student](#) link.**

### **What can students expect from the 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.
- 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.
- Respond to all emails within a 48-hour period during the normal business week (M - F).
- Post grades in a timely manner.

### **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.

### **TEST TAKING RULES:**

1. You will need Scantron Sheet 882 for each of the four tests and the Final Exam.
2. Keep all electronic devices off except your calculator during the tests.
3. You will be allowed to use paper and pencil to do your work for the test.
4. The test must be taken during the normal class time.

### **CLASSROOM ETIQUETTE:**

1. Please turn off cell phones and other electronic devices **BEFORE** entering the classroom.
2. Keep all conversation brief, quiet and related to the topic during the lecture. This shows respect to me and the other students.
3. No eating or drinking in the classroom. This is a college policy to minimize any pest problems.
4. If you come in late or need to leave the classroom for personal matters during the lecture, please do so quietly. Let me know if you need to leave early. Also, let me know after class if you come in late so I can update the attendance.
5. No sleeping in class. If you can't stay awake, please leave quietly. Sleeping and snoring in class is very distracting to everyone awake.

### **ELECTRONICS:**

Cellphones are not to be used in class at any time without permission. Only audio recording devices will be allowed to be used in class for personal use.

### **TIPS ON PASSING THE COURSE SUCCESSFULLY:**

1. Attend the lectures. I attempt to explain ideas the author assumes you know. We will cover a new concept **EVERY** lecture. You miss new information every time you miss a lecture.
2. Read the sections **BEFORE** coming to class. This exposes you to the new concepts so you can follow the lecture and discussion. We will cover the sections as listed in the schedule and my lectures will follow the book. You can help yourself by reading ahead, attempting some of the homework and being prepared with questions on the material presented in class.
3. After each lecture, **DO** the homework **BEFORE** the next lecture. Plan at least 2 hours of study and homework for **EVERY** lecture.



4. Ask questions in class. If you don't understand a concept or application, you need to ask for help right away. Each lecture uses the information present in previous lectures. If you don't keep up, it will be difficult for you to understand the new material.

5. Participate in class. We practice many problems during the lectures. If you have difficulty with a problem, ask for help. I can not help if I don't know where you are having difficulty. Remember, 2 hours study for every 1 hour of lecture. This is 6 hours of studying **EVERY** week.

**CALCULATORS:** Calculators are permitted at all times but not required for this class. I recommend the Texas Instruments TI 84 or TI 84+ if you will be taking College Algebra, if not the TI 30 XII will work. We will focus on math concepts and applications, not on any specific calculator or computer program operations or techniques. I will be glad to show you how to use your calculator outside of class.

## LEARNER SUPPORT

View [Free Tutoring site](#).

View the [Accessibility Services site](#).

View the [Academic Support site](#).

View the [On-Campus and Online Support site](#).

View the [Student Services site](#)

## STUDENT ASSISTANCE PROGRAM

As an SPC student it's vital that you know Titans Care. You can access resources through SPC's Student Assistance Program (SAP) (<https://mycoursesupport.spcollege.edu/student-assistance-program>), a collaborative resource for students with mental health or general life issues. SAP provides help and education in suicide prevention, mental health, substance abuse awareness and more. It is SPC's belief that supporting mental wellness is everyone's charge and that one loss because of substance abuse, mental illness, or suicide is one too many. If you or a loved one are considering suicide, please call the National Suicide Prevention Lifeline at 1-800-273-8255.

## ADDITIONAL RESOURCES

1. Free Tutoring available in the SU – STUDENT SUCCESS CENTER second level.
2. SPC Department of Mathematics Web Site <http://www.spcollege.edu/spg/math/resources/default.htm>. has other information to help you.

## SYLLABUS ADDENDUM

<http://www.spcollege.edu/central/asa/addendum.htm>

***In the event that topics listed in this addendum also appear in my syllabus, please note that you should rely on the addendum information as this information is the most current.***