

Instructor: Bob Indrihovic

Office: 7218

Phone: 843-661-8177

E-mail: bob.indrihovicy@fdtc.edu

Office Hours

Please see your instructor's MyMathLab course for more information. (Syllabus updated 10/19/17)

Prerequisites

MAT 102 or appropriate placement scores - *Required prerequisite courses must be completed with a grade of "C" or better.*

Course Description

This course includes the following topics: polynomial, rational, logarithmic, and exponential functions; inequalities; systems of equations and inequalities; matrices; determinants; and solutions of higher degree polynomials.

Required Textbooks and Materials

- Mat 110 bundle: Algebra and Trigonometry: Graphs and Models, 6th edition, by Bittinger, Beecher, Ellenbogen, and Penna, Pearson, 2017.
- Graphing Calculator (TI 83/83+/84/84+ required).
- A valid MyMathLab access code.
- NOTE: The above materials are required for the course. Students who do not have the required materials and/or who are not enrolled in the approved MyMathLab coursesite by the end of the third day of the semester may be withdrawn by the instructor.

Course Objective

See course competencies.

Learning Outcomes

1. Graph linear, quadratic, absolute value, polynomial, exponential, and logarithmic functions using algebraic concepts and the graphing calculator.
2. Domain/range, increasing/decreasing, end-point behavior, turning points, etc.
3. Solve linear, quadratic, absolute value, polynomial, rational, and radical equations and inequalities both analytically and graphically.
4. Perform fundamental operations with complex numbers.
5. Understand and apply polynomial theorems about remainders, factors, zeros, etc.
6. Determine inverses for various functions.
7. Apply exponential and logarithmic properties to simplify expressions and solve equations.
8. Use the graphing calculator's regression capabilities to model real world functions.
9. Solve systems of linear equations using matrix techniques.
10. Solve systems of inequalities.
11. Evaluate determinants.
12. Use appropriate technology to solve problems and communicate results.
13. Additional topics at the discretion of the instructor.

Topical Outline

A tentative course outline will be posted in your MyMathLab course site.

Class Schedule

A tentative course outline will be posted in your MyMathLab coursesite.

Instructional Methodology

This course is offered in the following formats: *Internet: Delivered online using a course-management system. This class has no face-to-face meetings. *Please see the current semester's class schedule for further information.

Evaluative Methods

Homework 25%, Final Exam 75%. Homework and final exam due dates are posted in the MyMathLab course site. All assignments to include homework and the final exam are due by instructor-established deadlines and following instructor-established guidelines and criteria. Do not miss deadlines. There will be no makeups. In the calculation of your average, no grades will be dropped. Every student is required to take the final exam. The final exam will be comprehensive. A grade of "0" will be submitted when a student misses the final exam if arrangements have not been made with the instructor PRIOR to the scheduled exam period. The zero will then be averaged into the overall grade. The final exam MUST be taken in the Math Hub on the main campus. Math Hub hours are posted in the MyMathLab class site for the course. It is the student's responsibility to arrange to take the final exam during those times. Limited tutoring is available through the Math Hub on the main campus. Information about the Math Hub is posted in the MyMathLab coursesite. Tutoring is also available through BrainFuse. See your MyMathLab course site or Desire to Learn (D2L) for further information. IT IS THE STUDENT'S RESPONSIBILITY TO SECURE THE TECHNOLOGY NEEDED TO SUBMIT ALL ELECTRONIC ASSIGNMENTS TO INCLUDE HOMEWORK AND THE FINAL EXAM. Failure to obtain a MyMathLab access code and enroll in the appropriate MyMathLab course by the third day of class will result in automatic withdrawal from the class. Information about enrolling in the MyMathLab course is available at the Desire to Learn (D2L) site for the course. Your current grade is always available on MyMathLab. Check with your instructor if you have any questions about your grade.

Grading Scale

A: 90 to 100 B: 80 to 89 C: 70 to 79 D: 60 to 69 F: 0 to 59

Attendance/Make-Up Policy

It is the responsibility of the student to attend all scheduled classes and observe all participation requirements in each of the courses in which he/she is enrolled. If a student is absent or fails to participate in more than 10% of the total hours that a course usually meets in a semester, the student will be subject to a failing grade or withdrawal by the instructor. It is the student's responsibility to initiate a withdrawal if he/she is unable to complete course requirements. Exceptions to this policy can be made only by the appropriate Associate Vice President.

Additions to the policy:

Please see your instructor's MyMathLab course for more information.

Withdrawal Policy

Students who do not complete course requirements must withdraw prior to the withdrawal deadline, or they will receive an 'F' for the course.

Academic Dishonesty Policy

All forms of academic dishonesty including, but not limited to, cheating on tests, plagiarism, collusion, and falsification of information will be subject to disciplinary action.

Cheating is defined to include, but is not limited to, the following:

- Copying another student's work or test.
- Using unauthorized materials during a test.
- Collaborating with another during a test or on assignments.
- Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part contents of a test or other work.
- Bribing another person to obtain tests or information about tests.

Plagiarism is defined as the appropriation of any other person's work and the unacknowledged incorporation of that work in one's own work offered for credit.

Falsification of information is defined to include, but is not limited to, the following:

- Forgery, alteration, or misuse of college documents, records, or identification.
- Destruction of evidence with the intent to deny its presentation to the appropriate hearing or panel.

Any proven cases of academic dishonesty will result in an "F" for the assigned work or test and may result in administrative withdrawal from the course, with a grade of "F" assigned after an administrative hearing. Additional sanctions, including administrative probation or suspension, appropriate to the incidents may be imposed pursuant to the Student Code and Grievance Procedures.

Disability Statement

If you have a disability for which reasonable accommodations may be required in this class, please contact Student Disabilities Office (SDO) in 114-A as soon as possible to discuss your needs and register for accommodations with the college. If you have already arranged accommodations through SDO, please discuss them with me during my office hours. Students who have medical needs related to pregnancy or parenting may be eligible for accommodations upon a referral from SDO.

While I am happy to assist you, I am unable to provide accommodations until I have received a referral from Student Disabilities Office. The SDO will work with students and faculty to arrange proctored exams for students whose accommodations include extra time for exams and/or assisted technology. Students with approved accommodations for extra time should talk with me as soon as possible. SDO must be contacted in advance to schedule proctored examinations or to arrange

other accommodations. The SDO would be grateful for advance notice of at least two weeks. Students requiring service animals as part of their reasonable accommodations must register their animals with SDO. For more information you may contact SDO at 843-661-8124.

Student Sexual Misconduct Policy

FDTC is committed to fostering a safe, productive learning environment. Title IX and FDTC policy prohibit discrimination on the basis of sex, which regards sexual misconduct - including harrasment, domestic and dating violence, sexual assault, and stalking. We understand that sexual violence can undermine students' academic success and we encourage students who have experienced some form of sexual misconduct to talk to someone about their experience, so they can get the support they need. Alleged violations of Title IX can be reported confidentially to the Title IX coordinator at <https://www.fdtc.edu/human-resources/title-ix>. Anonymous reporting is not acceptable as this will hinder the investigative process.

Terry Dingle, Associate Vice-President for Human Resources/Internal Relations, is the Title IX Coordinator. You may contact the Title IX Coordinator at 843-661-8321.

If you or someone you know is sexually assaulted or harrassed, these additional resources can assist:

Florence Police Department - 843-669-3911

Florence County Sheriff Department - 843-669-3911

Pee Dee Coalition Against Domestic and Sexual Assault - 843-669-4600

1-800-273-1820 (24-hour hotline)

Mandatory Reporting Policy

As an instructor, one of my responsibilities is to help create a safe learning environment on campus. I also have a mandatory responsibility related to my role as a faculty member. I am required to share information regarding sexual misconduct or information about a crime that may have occurred on FDTC campus with college authorities. All information relating to sexual misconduct will be reported to the Title IX Coordinator. Confidentiality will always be maintained to the fullest extent possible.

Other Information

NOTE: The prerequisite for this course is a grade of "C" or better in Mat 102 or the appropriate placement scores. The instructor will assume that a student registered for the class has the appropriate prerequisite, and the class will be taught at a level conducive to those prerequisite skills. It is the student's responsibility to verify that he/she has the appropriate prerequisite. If the student does not have the appropriate prerequisite, it is in his/her best interest to withdraw immediately and see his/her adviser for appropriate placement in the math sequence. If the student has any questions concerning his/her prerequisite level, he/she should discuss this with his/her adviser or the instructor immediately. ***** Best practices suggest that an educational environment be respectful, supportive, and free from distractions. In order to provide a comfortable environment for every student and protect each student's right to privacy, the use of an electronic device to record any portion of an FDTC math class is prohibited.

IMPORTANT STUDENT INFORMATION

STUDENT RECORDS INFORMATION Room 100H 100 Building (661-8095)

Drop/Add Period:

For **15-week courses** students may **ADD** classes the first 6 days of the term without penalty.

For **12-week courses** students may **ADD** classes the first 7 days of the term without penalty.

For **1st 8-week, 2nd 8-week, 3-week and Holiday Term courses** students may **ADD** classes the first 3 days of the term without penalty.

For **15-week and 12-week courses** students may **DROP** classes the first 10 days of the term without penalty.

For **1st 8-week, 2nd 8-week, 3-week and Holiday Term courses** students may **DROP** classes the first 5 days of the term without penalty.

Withdrawals after the DROP period deadline are the student's responsibility and full tuition is charged.

Student Records:

Students who have not been verified through the Financial Aid Office must provide proof of legal residency (SC Driver's License, Birth Certificate, or Passport) to Registrar Services. Students must notify Registrar Services of any changes in name, address, phone number. Family Educational Rights and Privacy Act (1) protects confidentiality of student records, (2) allows student access to educational records, and (3) allows amendment of records that are inconsistent or inaccurate.

Change of Academic Program:

Step 1: Meet with new academic advisor and obtain signature on Change of Curriculum Form

Step 2: Check with the Financial Aid Office staff to verify the new program is Title IV eligible

Grades/Transcripts:

Students access their final course grades via WebAdvisor. No grades are mailed to the home
Official transcripts may be requested at www.getmytranscript.com.

BUSINESS OFFICE INFORMATION Room 5203 5000 Building (661-8311)

Refund Policy for Holiday Term:

Before the first date in term that classes are offered (start of term) **(Before December 11)** 100% Refund

1st – 5th Day of the Term **(December 11 - December 15)** 100% Refund

After the 5th Day of the Term **(After December 15)** 0% Refund

COLLEGE WEB SITE: WWW.FDTC.EDU

WebAdvisor offers students easy access to the following records and information:

Class Schedule	Student ID Number
Grades	Financial Aid Status
View/Reprint 1098	Unofficial Transcripts

View Account and Make a Payment Curriculum Program Plan

Accessing WebAdvisor:

- Step 1: Locate the direct icon link for WebAdvisor located on the FDTC home page
- Step 2: Log on information is provided on the WebAdvisor main page
- Step 3: REVIEW ALL INSTRUCTIONS ON MAIN PAGE BEFORE FIRST LOG-IN

FINANCIAL AID INFORMATION Room 5302 5000 Building (661-8085)

Free Application for Federal Student Aid (FAFSA) <https://www.fdtc.edu/admissions/financial-aid/>

2017-2018 FAFSA file is active for Fall 2017, Spring 2018, Summer 2018

A new FAFSA must be filed every year. Allow 4-6 weeks for processing.

A completed FAFSA file may qualify students for the following types of financial aid:

Federal Pell Grant	Federal Supplemental Education Opportunity Grant
Federal Stafford Loan	Federal Work Study
Federal Perkins Loan	Federal Parent Loans for Undergraduate Students
SC Need-based Grant	SC Education Lottery Tuition Assistance

Withdrawal and Return of Federal Funds Policy

Students receiving Federal Grants/Loans who drop or withdraw from all their classes **before or on** the 60% date in the term will be required to repay the unearned amount of funds to the Federal government and/or FDTC. Students do not fully earn their federal student aid unless they **attend beyond** the 60% date.

Holiday Term - Beyond 60%

Satisfactory Academic Progress (SAP)

Students receiving Federal aid MUST maintain satisfactory academic progress each term. The following three rules constitute satisfactory academic progress:

1. **Maintain a minimum cumulative grade point average (CGPA) of 2.0.**
2. **Complete a minimum of 67% of the courses attempted.**
3. **Complete your academic program within 150% of the required credits.**

Failure to maintain any of the three rules of satisfactory academic progress will result in:

1. **Warning** for the next term with an opportunity to improve.
2. **Suspension** if SAP is not met during the warning term.
3. A suspended student may file an **Appeal** for consideration by the Appeals Committee.

STUDENT LIFE

Room 5100 5000 Building (661-8282)

The Department of Student Life will foster an inclusive culture of student leadership development, community involvement, and activities designed to enhance the student's collegiate experience.

- Annual Activities/ Events
- Clubs and Organizations
- Community Service Projects
- Early Alert Support Services

ADMISSIONS, RECRUITMENT & COMMUNITY OUTREACH SERVICES

Room 102 100 Building (661-8152)

The following assistance is available to students:

- Admissions to the College
- Referral Services to Community Agencies
- International Student Admissions
- Placement Testing Information
- Transfer Information

K-12 and EARLY COLLEGE

Room 100A 100 Building (661-8258)

Serving current high school graduates and Early College/Dual Enrollment students.

ONLINE TUTORING SERVICE

Tutor.com is a fully online tutoring service that is available 24/7. Each tutoring session is conducted in a one-to-one format that takes place in an easy-to-use online classroom, which runs in your web browser. You can get a tutor in more than 40 subjects including Math, Science, Social Studies, English, and Foreign Languages just to name a few. Tutor.com's philosophy is to help students understand the concepts behind what they are working on, so that our students can learn how to solve the problem and reach the answer on their own. Tutor.com is not an answer-giving service. Please contact your course instructor for further details on how to access this service.