Instructor Information

Instructor: Ms. Cynthia Fletcher
Office: IT 409C
Mailbox: IT 409C
Office Hours: MW 11 – 12:30; TR 12:30 – 1:30
Phone: 501-812-2322 (office) 501-725-1271 (cell)
Email: cfletcher@uaptc.edu

*All emails and telephone calls will receive a response within two business days.

Chair: Denise Hammett (501)812-2874 dhammett@uaptc.edu
Dean: Dr. Marico Bryant Howe (501)812-2342 mbryanthowe@uaptc.edu

*If your emails and telephone calls do not receive a response within two business days, the appropriate chain of command is above.

Course Information

This course meets face to face in a classroom on Tuesdays and Thursdays from 10:50 – 12:05 in IT 406. Students are expected to be in class for the duration of each class meeting and to participate by taking notes, asking and answering prudent questions.

Catalog Description
3 Credit Hours (3 hours lecture per week)

This course includes, but is not limited to, the following concepts when working with various types of functions: 1) derivatives – limits, continuity, slopes, rates of change, definition of derivative, derivatives as rates of change, techniques for finding derivatives and non-differentiable functions; 2) integration – anti-derivatives, indefinite and definite integrals and techniques for finding integrals. Applications include graphing functions using derivatives and optimization. Emphasis is on applied problems in the management sciences and economics.

A TI-83 or TI-84 graphing calculator is required for this course and requires an online learning component.
PREREQUISITE: Students enrolled in MATH 1308 must meet one of the following requirements:
- MATH 1302 (College Algebra) with a grade of “C” or better
- MATH 1300 (Mathematical Reasoning with a grade of “C” or better
- A score of 26 or higher on the mathematics section of the ACT
- A score of 70 or above on the COMPASS Algebra Placement Test
- A score of 86 or above on the Accuplacer College Math Placement Test

Course Materials

Disclaimer: UA-PTC will not guarantee materials purchased anywhere other than the UA-PTC bookstore. The purchase of codes for the online environment should be purchased through the UA-PTC bookstore or directly when registering for the online environment by following the instructions supplied by your instructor. Please take a picture of your code for safe keeping as lost codes cannot be replaced.

Required Materials:
Calculator: A TI-83 or 84 calculator is required for the course.

If you have been awarded financial aid but have not received funds, you can take your schedule down to the UA-PTC bookstore and they will charge your books to your account. This will allow you to purchase your book early and will alleviate you getting behind this semester.


Free Tutoring is offered on both UA-PTC south and main campus. Information provided at http://www.uaptc.edu/footer-navigation/tutoring-center

MLP Technical Support: If you are unable to install the necessary software and plug-ins or the program is not running properly, you may contact the MyMathLab Student Support Line at: 1-800-677-6337 Monday-Friday, 12 pm to 8pm. (All times are Eastern Standard Time.)

Do not contact the UA-PTC IT services department for assistance with MLP issues. Please be sure to contact the 1-800 number that was provided above.

Student MyLabsPlus Access

MyLabsPlus Web Address: http://pulaskitech.mylabsplus.com/ or you can also access the MLP link in UA-PTC’s Portal.

- **Student MyLabsPlus Username:** The first two letters of your first name, your entire last name, and the last four digits of your student ID.
- **Student MyLabsPlus Password**: Ptcmmddyyyy (this is the letters “Ptc” and your birthdate)
  *If you have previously used MLP with UAPTC, you will need to use that password instead.
Once you’re logged into MyLabsPlus,

1. You will be prompted to accept the terms of the Pearson User License Agreement and Privacy Policy. Click I Accept once you have read the terms of use.
2. You will be prompted to enter the access code that you received with your book. If you have already purchased the book, choose “Access Now”.
3. If you do not have a code, you will choose “Pay Later”. This will give you 14 days of Temporary Access, which will begin on the day you registered in the course. This means that the temporary code could expire at different times for each student since it is based upon the date each student registers into the system. You will need to purchase your book before the temporary access code expires or you will be locked out of MyLabsPlus and you will not have access to your work which could result in zeros on assignments that were missed. DO NOT LOSE YOUR ACCESS CODE ONCE YOU HAVE PURCHASED IT. YOU WILL NOT BE ABLE TO ENTER IT UNTIL THE TEMPORARY ACCESS CODE EXPIRES.

If you have trouble logging in, entering your code or experience issues with not being able to access the course, please contact the Chair of the department. Her name is Denise Hammett and her email is dhammett@uaptc.edu. Please send as much information as you can about the situation including screen shots along with a good working phone number, your username and birthdate.

Mission Statement

University of Arkansas – Pulaski Technical College provides access to high-quality education that promotes student learning and enables individuals to develop to their fullest potential.

Institutional Learning Outcomes and General Education

UA-PTC supports a college-wide institutional learning assessment program which concerns effective instructional methods and promotes student learning achievement by assessing:

1. Information Literacy
2. Technology Literacy
3. Communication
4. Critical Thinking
5. Quantitative Reasoning
6. Cultural Awareness
7. Professionalism

For more information, please consult the following website: https://uaptc.edu/sla
Department / Program Learning Outcomes

The mission of the math department is to prepare students with the mathematical knowledge and understanding necessary for students to accomplish their educational goals. The math department aims to teach, advise and consult on any mathematical related matter whether a student wishes to successfully transfer to a four year college, gain entrance into the workforce, enhance their personal skills or further their lifelong learning pursuit.

Upon successful completion of the required math courses,

DLO #1: Students will demonstrate the ability to use symbolic, graphical, numerical and written representations of mathematical ideas.
DLO #2: Students will use mathematical reasoning and, when appropriate, a general problem solving process to solve problems.
DLO #3: Students will learn mathematics through modeling real-world situations.
DLO #4: Students will use appropriate technology to enhance their mathematical thinking and understanding, solve mathematical problems, and judge the reasonableness of their results.

Student Learning / Course Outcomes

SLO #1: Students will calculate rates of change and limits; know the definition of a limit.
SLO #2: Students will calculate the derivative of a function using the definition, differentiation rules and formulas.
SLO #3: Students will recognize functions that are not differentiable.
SLO #4: Students will apply various techniques of integration. Evaluate indefinite and definite integrals using the various techniques of integration.
SLO #5: Students will use differentiation and integration techniques to solve problems in the management sciences and economics; use the calculator to solve these problems.

Policies

Report a Complaint or Concern

UA-PTC takes very seriously complaints and concerns regarding the institution. Most complaints or concerns of a specific nature should be initiated and resolved at the campus level through normal college processes whenever possible. UA - Pulaski Technical College receives and resolves complaints using a variety of methods. To report a complaint or concern, please follow the link below.

https://www.uaptc.edu/report-a-concern-complaint
UA-PTC Attendance Policy

Education at UA-PTC requires students’ active involvement in the learning process. Thus, students are expected to attend all classes and actively engage in all learning assignments and/or opportunities provided in their classes. Class attendance should be treated as mandatory by all students as attendance will be taken by all instructors during the first two weeks of class.

Departmental Attendance Policy

Agencies granting financial assistance may be notified of the violation of the attendance policy by students receiving financial aid.

Attendance is taken starting the first day of the semester and throughout the semester. Teachers have the right to count students as absent if they arrive late to class, leave class early, or go in and out of the classroom during class time. Teachers have the right to lower a student’s grade based on excessive absences as outlined in the syllabus for the course. Instructors set the attendance policy for courses and students must follow those policies.

Any student who does not attend class before the roster certification date will be considered a “no show” according to the campus attendance policy and will be reported as such and dropped from the class. Students who were dropped because they had not attended class, will not be allowed back into the course during that specific term; refunds are automatically added to the student’s account for being reported as Never Attending a class. Instructors set the policies for counting students as “no shows” in the online environment and it is the student’s responsibility to follow those policies.

Regular and consistent attendance should be maintained in order to be successful in this course. Excessive tardiness and/or absences are considered discourteous to the instructor and the learning environment and can be a detriment to successful course completion. Students who are absent for any portion of a class session miss important information from lectures, class discussions, handouts and assessments, and can easily fall behind on the material. As mastery is a basis for progression, students will need to be present each day for the entire class session. Following an unavoidable absence, the student has the responsibility for completing all activities missed as allowed by the instructor. Instructors in the online environment establish the attendance policies and the requirements for success and it is the student’s responsibility to adhere to those policies.

Drop Date: The last day to drop a course or withdraw from the college is Wednesday, April 17, 2019. A student should consult with their instructor and financial aid (if applicable) before submitting a drop form. A student can request to drop or withdraw by visiting the student services office on any campus or by submitting a written, faxed request. Faxed requests can be sent to (501) 812-2316 and must contain the student’s name and student ID number, a statement of which course you wish to drop or a statement that you are withdrawing from all courses, your signature, and a copy of your state-issued photo identification. Instructors do not have an administrative drop option and cannot drop students from courses; it is entirely the student’s responsibility to complete the process if they wish to drop from the course.
Attendance will be taken daily (sign in sheet) and will be counted as part of your homework grade. If you choose to arrive late or leave class early, you will not earn your attendance points for the day. **No exceptions!**

**Course Policies**

The UA-PTC Catalog rules and regulations will be enforced in this course at all times.

Please consult the following website for more information: [https://www.uaptc.edu/catalog](https://www.uaptc.edu/catalog)

Professional behavior is required. Punctual attendance and intelligent participation are expected. Particulars, as determined by the instructor, are detailed in the paragraph(s) below.

Appropriate behavior is expected for all communications, including any notes, email messages, or telephone conversations. Some guidelines for communication are included in this syllabus to help you.

**Campus Visitors Policy:** Classrooms and laboratories are restricted to currently enrolled students only. Visitors are not allowed in any classroom or laboratory where a scheduled course is being taught. At no time are children allowed in the classroom during times when scheduled courses are being taught. Additionally, when it is necessary to bring children to campus, they may never be left unattended. At all times, children remain the sole responsibility of the parent.

**Incompletes:** The requirements for awarding a grade of incomplete, “I” can be found in the College Catalog on page 31 by using the following link: [https://www.uaptc.edu/catalog](https://www.uaptc.edu/catalog).

**Math Department Chair:** Denise Hammett, dhammett@uaptc.edu. The department chair may be contacted as a next point of contact. The department chair will not overturn decisions made by the instructor based upon the policies or requirements of the syllabus.

**Cell Phones:** Please turn cell phones on vibrate mode during class time. Texting during class or doing other things on your phone or tablet or smart watch during class not related to the course is not a good idea as concepts being taught will be missed. No cell phone or other electronic devices (other than graphing calculator) can be used during tests.

**Grading Policy**

Letter grades will be based on the following scale:

- 90 to 100%    A
- 80 to 89%     B
- 70 to 79%     C
- 60 to 69%     D
- 0 to 59%      F
Course Average will be calculated as follows:

\[(\text{Attendance Avg} \times 0.02) + (\text{Homework Avg} \times 0.08) + (\text{Quiz Avg} \times 0.15) + (\text{Regular Test Avg} \times 0.50) + (\text{Final Exam Avg} \times 0.25)\]

### Homework:
All homework will be worked in MyLabsPlus. MyLabsPlus will keep track of your homework grade which will be used in calculating your total grade. To be successful in the class, all homework should be worked. Homework should be worked out on paper and kept in an organized notebook so you will have something to study at test time. Answers obtained for the homework problems need to be entered in MyLabsPlus. You have learning aids to help you work the problems if you have trouble or need help. You are allowed to rework the homework assignments for extra practice and for a higher score (up to 100%) as many times as you like until the due date. You should strive to make at least 90% on each homework assignment. Please be responsible and do assignments by the Due Date shown in MyLabsPlus. Once the Due Date has passed, you can complete assignments for 7 days after the test on that assignment, but you will be assessed a 10% penalty. All assignments will close and can no longer be worked on past the 7th day after that test. **Homework will count as 8% of your overall grade.**

### Quizzes:
All quizzes will be worked in MyLabsPlus. MyLabsPlus will keep track of your quiz grade which will be used in calculating your total grade. To be successful in the class, all quizzes should be worked. Quizzes should be worked out on paper and kept in an organized notebook so you will have something to study at test time. Answers obtained for the quiz problems should be entered in MyLabsPlus. You have learning aids, in review mode only, to help you work the problems if you have trouble or need help. You are allowed to rework the quiz assignments for extra practice and for a higher score (up to 100%) as many times as you like until the due date. You should strive to make at least 80% on each quiz. Please be responsible and do assignments by the Due Date shown in MyLabsPlus. Once the Due Date has passed, you can complete assignments for 7 days after the test on that assignment, but you will be assessed a 10% penalty. All assignments will close and can no longer be worked on past the 7th day after that test. **Quizzes will count as 15% of your overall grade.**

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I am not, nor will I ever be, responsible for your grade in this course. YOU MAKE the grades; I RECORD the grades. BE ACCOUNTABLE.
Tests: Five tests worth 100 points each will be given. Each exam is proctored, by the instructor, and can only be completed in class. The instructor will provide test paper to every student for the exams. Students will not be allowed to use personal paper for exams and will be required to number/write each question, show all work, and circle each answer to receive credit for the exam. Failure to follow these procedures will result in loss of credit. Tests will count as 50% of your total grade.

Test/Retest Policy:

All exams will be given in class on the designated test day. Students will have the opportunity to schedule a retest on any chapter exam (excludes final exam) based on the following criteria:

- A minimum of 90% is required on all online homework and quiz assignments before retesting
- Appointments must be scheduled (with me) within a week (7 days) of receiving returned test papers. Appointments can be scheduled during posted office hours and by appointment on Fridays.
- Your exam grade will be based on the highest grade between the actual test score and retest score. If you missed the actual test day, these will be a 10% deduction on the retake.
- Final exams cannot be retaken.
- Your final exam will not be used to replace a missing exam.
- The retest will be online and proctored using MyLabsPlus using the following criteria:
  - All work for the exam must be shown on provided test paper. Student’s personal paper cannot be used for exams.
  - Number each question.
  - Show all work and steps [as shown by your instructor] for each question to receive credit. NO WORK = NO CREDIT
  - Circle or highlight your answer(s) for each question.
  - Write neatly. Your instructor will review these problems.
  - Failure to follow these procedures will result in loss of credit — even if your answer has been marked correct in the system.

- PROHIBITED: Math textbook, Notes or formulas, Papers of ANY kind, Cell phones, tablets, and other mobile devices. Visible cell phones or other prohibited items are a violation of academic integrity and will result in a grade of zero for the exam. If you are caught using the items listed above, you will receive a grade of F and dismissal from the course.

Final Exam There will be a two hour, multiple choice, comprehensive, paper/pencil final exam. If the final exam is missed, the student will receive a grade of “F” for the course. Your final exam is scheduled for Tuesday, May 7th, 10:30 am – 12:30 pm. A study guide will be given to help students prepare. The final exam will count as 25% of your total grade.

* Instructors have one week to provide feedback and post grades for all assignments unless otherwise noted by a departmental policy that has been approved by the Dean of the School.
In an online class, eligibility for Financial Aid is based on student participation. Logging into the course does not constitute participation. For purposes of roster certification, students must complete a gradable attendance artifact.

**Make-up/Late Submission Policy:**
Each assignment has a soft and hard deadline for completion. Students are allowed to submit homework and quiz assignments after the original soft deadline, up to the hard deadline (test day) without penalty. Once the hard deadline passes (due date in MLP), your assignment is officially late. You will have seven (7) days to complete and submit any late assignments with a 10%-point deduction for each late assignment. This includes your online homework and quizzes (Exams and final exams are not included). At the end of the 7-day late submission deadline, any missing assignments will be submitted with a grade of 0.

**Academic Integrity**

It is expected that all students who attend UA-PTC conduct themselves in a manner appropriate for the college experience. Academic integrity is a vital component of collegiate behavior. The UA-PTC catalog states, “The gaining of knowledge and the practice of honesty go hand-in-hand.”

The catalog also states, “The responsibility and authority of initiating discipline arising from violations of the rules against dishonesty during the process of the course are vested in the instructor of that course.”

The complete Academic Integrity Policy is in the UA-PTC code of conduct. 
[https://www.uaptc.edu/catalog](https://www.uaptc.edu/catalog)

- **Calculators:** Graphing and scientific calculators are allowed. Please restrict calculator usage to all calculators below TI-86. The use of any calculator at or above TI-86 (including your cell phone) will be considered as a form of cheating (see Academic Integrity Policy).

- **Electronic Equipment:** The use of electronic devices (i.e. cell phone, tablets, iPad, iPod, etc.) is strictly prohibited during proctored assessments (finals) and will be considered an act of academic dishonesty. The use of such devices during prohibited times may result in immediate dismissal from class, a grade of F within the course, will be reported to the Dean of Students, and may be recorded on your Academic Records at Pulaski Technical College.

**Accommodation Policy**

Services for Students with Disabilities: UA-PTC is committed to fulfilling all federal requirements as stated in the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and the American with Disabilities Amendments Act (ADAAA) of 2008. Accommodations are available to students who have documented disabilities. Students who request accommodations must register with the Disability Services Office (Main Campus: 501-812-2738 or South Campus: 501-812-2862) and must provide current and relevant documentation.

Students requesting accommodations should inform the instructor at the beginning of the course or as soon as accommodations are approved. It is the student’s responsibility to provide their
Accommodation Letter to the instructor. Accommodations are not retroactive and will only be provided once your instructor receives the Accommodation Letter.

**Student Code of Conduct**

All students are expected to abide by the UA-PTC Student Code of Conduct. For the full Student Code of Conduct, access the most current version of the UA-PTC Academic Catalog. [https://www.uaptc.edu/catalog](https://www.uaptc.edu/catalog)

**Sexual Misconduct**

No person at UA-Pulaski Technical College will, on the basis of gender, be excluded from participation in, be denied benefits of, or be subjected to sex discrimination, sexual harassment or sexual misconduct under any education program or activity. All college administrative policies and procedures regarding sex discrimination, sexual harassment, and sexual misconduct are in compliance with Title IX. Students who feel they are victims of sexual misconduct should contact the UA-PTC Title IX Deputy Coordinator for Students:

Michelle Anderson, Director of Student Life and Leadership
Campus Center Building Room 216
501-812-2756
manderson@uaptc.edu

**Course Evaluations**

Students may be asked to evaluate their instructor and course near the end of the semester. These student evaluations are very important to the improvement in the quality of instruction and course materials. All results are anonymous and shared with the faculty only after the semester is over and grades have been posted.

**Information Literacy**

UA-PTC is committed to the Information Literacy Competency Standards for Higher Education as established by the Association of College and Research Libraries and endorsed by the National Forum on Information Literacy. Therefore, all courses will incorporate an information literacy component so that, by graduation, all students will be able to recognize the need for information, then locate, evaluate, synthesize, and communicate information in an ethical manner. Information literacy encompasses critical thinking, research, media, technology, health, business, and visual literacy skills to produce lifelong learners who can make informed decisions in the workplace and in their personal lives.
Tentative Course Schedule

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<th>Week</th>
<th>Topic</th>
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<tr>
<td>Week 1</td>
<td>Introductions, Syllabus, Review 4</td>
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<tr>
<td>Week 2</td>
<td>Section 1.1 and 1.2</td>
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<td>Week 3</td>
<td>Section 1.3 and 1.4</td>
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<tr>
<td>Week 4</td>
<td><strong>Exam 1 (Review 4; 1.1 – 1.4); Section 1.5</strong></td>
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<tr>
<td>Week 5</td>
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<td>Week 6</td>
<td>Section 1.8 and <strong>Exam 2 (Chapter 1.5 – 1.8)</strong></td>
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<td>Week 7</td>
<td>Section 2.1 and 2.2</td>
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<td>Week 8</td>
<td>Section 2.3 and 2.4</td>
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<td>Week 9</td>
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<td>Week 10</td>
<td><strong>Exam 3 (Chapter 2)</strong></td>
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<td><strong>SPRING BREAK</strong></td>
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<td>Week 11</td>
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<td>Week 14</td>
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<td>Week 15</td>
<td>Section 4.4 and <strong>Exam 5 (Chapter 4)</strong></td>
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<tr>
<td>Week 16</td>
<td>Review for Final</td>
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**Final Exam Schedule:** Your final exam is scheduled for **Tuesday, May 7th, 10:30 am – 12:30 pm.**

Disclaimer: This schedule is a guide for the semester. The instructor reserves the right to amend the schedule as necessary.
Course Agreement Form

Read, complete, and return to instructor:

I have read the course syllabus for Cynthia Fletcher's Business Calculus class at UA-Pulaski Technical College, and I understand its content. I also understand the rules for the class, and I will follow and abide by these rules, including those relating to attendance, assignments, grading criteria, plagiarism, and behavior.

Attendance and active participation are required for success in this course. Additionally, I understand that my attendance may be submitted to college officials and reported to financial aid authorities.

I understand that Instructors cannot drop me from a course after the roster certification date if I have attended. However, I also understand that it is expected for success that I attend all courses and participate. I am responsible for my learning and success and not the instructor. Roster certification is normally around 7-10 days into the semester (2-3 days for summer courses).

I understand that the final exam is a paper/pencil exam given under a proctored environment during final exam week and cannot be given early. In the face to face sections, the final exam is given in the classroom on the campus where the class is schedule for the semester.

I understand that I must do each of the following to be successful in this class.

1. Attend class regularly and pay attention while there - which means I will not daydream, I will not text, I will not be doing stuff on my phone, tablet or laptop.
2. Take good notes during every class and keep my notes/work in an organized notebook dedicated to College Algebra.
3. Do all homework problems assigned as soon as the section is taught, bring those homework problems to class the next time and ask questions about those I did not understand.
4. Seek help from my instructor or from the free tutoring the college provides (in IT 408 or LAC) as soon as I don’t understand what is going on.
5. Study thoroughly for each test and don’t assume I can get by with just watching problems worked in class.

I understand that:

1. I need to use my UA-PTC email address to email my instructor.
2. If I fail to take the final exam it will result in a grade of F for the course.
3. If I miss a test I will am allowed to Retest according to the policy outlined in the syllabus.

Semester: __________________________
Date: __________________________
Print Name: _______________________
Signature: _______________________
UAPTC Email: _____________________
Phone: _______________________