



UNDERGRADUATE COURSE SYLLABUS FOR TRADITIONAL AND WEB CONFERENCE COURSES

Math 120 – Pre-Calculus

Spring 2021

4 credit hours

Traditional Delivery

Michael Showers

B.S.; M. Ed.

W8 - CCHS

7:30-3:00

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COURSE CONTENT

CATALOG DESCRIPTION: A study of polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, and trigonometric identities. This course is designed to strengthen a student's technical skills and conceptual understanding in mathematics in order to be prepared for calculus.

PREREQUISITES: Two years of high school algebra and an ACT math score of 24 or better, or MAT 101 with a minimum grade of "C".

REQUIRED MATERIALS: Precalculus Mathematics for Calculus Stewart, Redlin, and Watson 7th edition. You will need to buy the webassign code for this class. You will not need to buy the book.

Graphing Calculator TI-83, TI-84, or similar calculator. Your phone is not to be out in class and cannot be used as a calculator.

Three ring binder with loose leaf paper to keep notes and HW organized. Pencils and a ruler.

LEARNING OUTCOMES: After successful completion of this course, students will be able to:

Represent quantitative information symbolically, visually, and numerically.

Use arithmetic, algebraic, and geometric models to solve problems.

Interpret mathematical models, such as formulas, graphs, and tables.

Estimate and check answers to mathematical problems and determine correctness, completeness and alternative solutions.

METHODOLOGY: This course consists of lecture, which includes class participation in solving problems.

COURSE OUTLINE

We will cover selected sections from the preliminary chapter to chapter 7 as time permits.

GRADING POLICY

GRADING SCHEME: There will be 3 or 4 exams making up 45% of your grade with homework counting 40%. A Comprehensive Final will be given at the end of the semester and will count 15%. Homework will be completed online using webassign. See www.webassign.net for additional information. In addition, since organized structured work is so important in mathematics you will turn in your work for each homework assignment for a second homework grade to see if you are showing work in an appropriate manner.

GRADING SCALE

A= 90-100

B= 80-89

C= 70-79

D= 60-69

F= 0-59

WA=Excessive Absences

CLASSROOM POLICIES

ATTENDANCE

Class Attendance

Learning that occurs within the classroom is at the heart of the FHU experience. Student interactions with faculty and with other students, and the relationships that grow from those interactions, are instrumental toward achieving the University's student learning and spiritual formation outcomes. In cases of poor class attendance, accomplishment of these outcomes, as well as the capacity of the University to achieve its overall mission, is in jeopardy. The University has established there is a strong correlation class attendance and academic success as measured by semester grade point averages. Therefore, students are expected to attend class daily.

Students must attend at least 75 percent of all scheduled class meetings in order to receive academic credit for completing a class. Students who do not complete 75 percent of all scheduled class meetings will be dropped from that class and receive a grade of "WA." Every absence, whether excused or unexcused, will count when determining whether students have missed more than 25 percent of all scheduled class meetings. Absences due to late registration or change of class prior to the drop/add period will be included in the above percentage.

In extreme situations, students may appeal their grade of "WA" with an Academic Petition Form to the associate vice president for academics. This must be done within five school days following the dismissal from class. The student should continue to attend the class until the appeal has been decided.

Practicums, honors contracts, online courses, or individualized instructions are governed by separately published policies.

Excused Absences

Absences for officially approved school business, sponsored trips, athletic contests, illness accompanied by a doctor's note, or a death in the student's immediate family are excusable and will not be penalized, provided they are explained within one week of the student's return to class. These absences, and all excused or unexcused absences, will count toward the 75 percent class attendance policy. Sponsors should provide a written excuse to each student for all instructors affected by the absence, and they should send an electronic copy to the Office of Academics.

A faculty member may assign reasonable and relevant makeup work for excused absences. In case a student misses an examination and has an excused absence, the teacher may give a makeup examination or simply compute the

average of the other grades. Final exams must be taken. A student may not be penalized for missing an examination when the student has a clearly demonstrated excusable absence.

Unexcused Absences

Penalties for absences that do not meet the *excused absence* criteria and tardiness will be left to the discretion of the teacher but must adhere to individual school parameters. Faculty members may assign reasonable and relevant makeup work, extend a deadline, or give a makeup examination for any or all missed assignments for an unexcused absence, but are not under obligation to do so.

Exempt-Excused Absences

Periodically, the provost may determine that absences for officially approved school business, sponsored trips, or athletic contests are exempt from counting toward the 75 percent class attendance requirement as it pertains to undergraduate class attendance. These absences may be athletic, co-curricular, extra-curricular, or academic in nature. Exempt status may be assigned when the provost has determined the University and/or a group has no or very limited control over the required activity.

The provost will notify faculty in writing via email of such exemptions, and names of the students receiving the exception shall be included.

In addition, exempt absences will also be considered excused absences. As outlined in the excused absence section, a faculty member may assign reasonable and relevant makeup work for excused absences. In case a student misses an examination and has an exempt-excused absence, the faculty member may give a makeup examination or average the other grades without considering the examination missed. A student may not be penalized for missing an examination when the student has a clearly demonstrated exempt-excused absence. Final exams must be taken.

Bible Class Probation

The first time a full-time, undergraduate student has excessive absences in his/her only Bible course, the student will be withdrawn from the class, will receive the grade of a "WA," and will be placed on Bible Class Attendance Probation. A student placed on Bible Class Attendance Probation must sign a Bible Class Attendance Contract in the Office of Academics prior to completing the current semester and before registering for the next semester. Bible Class Attendance Probation will continue through graduation. A full-time undergraduate student who is on Bible Class Attendance Probation and who has excessive absences in his/her only Bible course in a subsequent semester will be withdrawn from the Bible class with a grade of "WA" and will be suspended from the University at the end of the semester.

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Specific application of this policy to this course

Since this course will meet 80 times this semester, a student who accumulates 15 absences will have missed over 25% of the scheduled class meetings and will be dropped from the course. A student is tardy if they arrive after the start of class but before 15 minutes of class has passed. A student who is more than 15 minutes late to class will be considered absent. A student who is tardy should not interrupt the class but should enter the classroom with as little disruption as possible. If a student is tardy, the student is responsible to check after class to make sure their absence has been changed to a tardy. Every 3 tardies counts as an absence. A student leaving class early without permission will be counted absent.

MAKEUP WORK

If a student is going to miss a test with an excused absence, then the student must arrange to take the test early, if possible. Since homework will be completed online make-up work will not be permitted. Make-up work for the homework organized work checks will only be given in extreme circumstances. All students must take the final exam at the scheduled time.

ACADEMIC DISHONESTY

Academic dishonesty violates the Christian principles and standards of Freed-Hardeman University. The following are examples of intentional academic dishonesty:

- Cheating – using or attempting to use unauthorized materials, information, or study aids in any academic exercise. The term “academic exercise” includes all forms of work submitted for credit.
- Fabrication – falsifying or inventing any material in an academic exercise.
- Facilitating academic dishonesty – helping or attempting to help another to violate academic integrity.
- Plagiarism – adopting or reproducing another person’s words or ideas without acknowledgement.

The minimum penalty for an obvious violation of academic integrity is a failing grade on the assignment. In addition, at the discretion of the instructor, the student may receive a failing grade for the course and be dropped from the class.

Academic dishonesty should be reported to the Dean of Students, who may prescribe additional penalties. No student may avoid receiving a failing grade for academic dishonesty by subsequently withdrawing from the course.

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Additional Information

Students are encouraged to work together, and seek assistance on homework assignments in an honest manner that leads to a true understanding of the mathematical concepts.

BEHAVIOR

Be on time and respectful of your classmates and instructor. Do not be a distraction. Take notes and participate in class in an appropriate manner. Do not have your phone or laptop out during class.

DRESS CODE

In keeping with the mission of the university, students should remember that modesty is the key to determining appropriate dress. Students are expected to comply with the dress code located in the Student Handbook. A student who is asked by an instructor to change clothes should comply immediately.

TECHNOLOGY

Using Technology in the Classroom

Using electronic devices in the classroom can enhance or hinder learning outcomes. Thus, the following guidelines must be adhered to:

1. Cell phones and other communication devices should be turned off or silenced and not used while in class unless otherwise permitted by the instructor.
2. Electronic devices are to be used solely for purposes related directly to the class. This might include, but is not limited to, applications, note taking, viewing of presentation material, or instructor-directed Internet searches or projects. Use of electronic devices for reasons not directly related to the class is strictly prohibited.
3. Occasionally, an instructor may prohibit or limit electronic devices in the classroom. For example, an instructor may prohibit electronic devices during exams.
4. The instructor must state in the syllabus consequences for those who violate this policy.

www.fhu.edu/policy: Policy 3.2.2.26 Using Technology in the Classroom

Additional information and details for this course

Consistent failure to use technology appropriately will result in the student not being allowed to use the offending technology for the remainder of the term.

MINIMUM COMPUTING REQUIREMENTS

The following recommendations should be used when choosing a notebook (laptop) to use at Freed-Hardeman University. These configurations allow computers to run hardware and software in a manner to give our students the best learning experiences both inside and outside of the classroom.

The recommended hardware systems specified are sufficient to run new operating systems, as they are made available.

Note: The below recommendations represent basic computer configurations for students. Some courses or majors may require additional hardware and/or software to successfully complete the course. Contact your instructor or program coordinator for specific course requirements.

Important: FHU's learning systems will require high speed Internet access (1.5 Mb or higher).

Student Computing Standards: Minimum Configurations

	Minimum	Recommendation
Operating System	Mac OS X 10.12 Windows 10 (64-bit)	Mac OS X 10.13 Windows 10 (64-bit)
Processor	Intel i5 (2.0 GHz or higher)	Intel i7 (2.67 GHz or higher)
Memory	4GB RAM Minimum	8GB RAM
Disk Space	250GB Hard Drive Minimum	500GB Hard Drive or more Solid State Drive (Performance)
Wireless Network Access	802.11 n	802.11 n/ac
Other Hardware	Web Camera and Microphone	Web Camera and Microphone
Application Software	Microsoft Office	Microsoft Office

Additional Assistance

Contact the HelpDesk at <http://helpdesk.fhu.edu> or by phone at 731-989-6111 for additional assistance.

Additional software or hardware requirements for this course

TI-83, TI-84, or similar calculator. Your phone is not to be used as a calculator.

FOOD AND DRINK

Food, drinks and candy are not to be brought into classrooms with the exception of clear water.

www.fhu.edu/policy: Facilities and Campus Grounds, Section 4.1.1

DISABILITY SERVICES

Freed-Hardeman University is committed to providing equal opportunity in education to qualified students. The University looks to the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973 for standards. Those students with a disability who are prevented from meeting course requirements in the way the course is regularly taught should contact the Office of Disability Services by phone (731) 989-6029 or by email mellis@fhu.edu. Students are required to provide documentation from an acceptable evaluator in order to receive accommodations.

The University will assist an individual who has a documented disability with appropriate accommodations and modifications; but does not, however, guarantee successful completion of a course or a program. Students must cooperate with the University and take responsibility for learning. Those with an approved accommodation plan should notify the instructor of any affected class within the first three days after receiving accommodations. Accommodations are not effective retroactively, and students are encouraged to register upon realization of need for services.

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RESOURCES

Free peer tutoring is available from the Learning Center and held on the 3rd floor of the Academic Resource Center. Times for tutoring are 2:30 to 5:00pm MTWR and 8:00 to 10:00pm SMTWR. Additional tutoring can be made by appointment by contacting cpritchard@fhu.edu.

OTHER

Class attendance is so important to success in this course. The class interaction during each class meeting cannot be replaced. Keeping your notes and work in an organized fashion will help you be able to review your work and study for tests and is essential for the development of mathematical thinking.