



UNDERGRADUATE COURSE SYLLABUS FOR TRADITIONAL AND WEB CONFERENCE COURSES

Math 101 College Algebra

Fall 2020

3 credit hours

Traditional Delivery

Coach Showers

Instructor of Mathematics

B.S. in Mathematics Freed-Hardeman University

(1993) M.Ed. Freed-Hardeman University (1995) 18

Graduate Math Hours University of Memphis (2019)

Class Location CCHS W8

Office Hours By

Appointment

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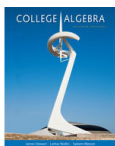
COURSE CONTENT

CATALOG DESCRIPTION: A study of functions and graphs, polynomial functions, rational and root functions, and exponential and logarithmic functions. This course may also include systems of equations and inequalities, sequences, series, and probability.

PREREQUISITES: Two years of high school algebra. An ACT score of 21 in math is required to enroll in this course.

REQUIRED MATERIALS:

College Algebra , 7th Edition



James Stewart; Lothar Redlin; Saleem Watson

ISBN-10: 1-305-11554-6

ISBN-13: 978-1-305-11554-5

- WebAssign access code. You may purchase this at the bookstore or online.
 - To register for the course on WebAssign, go to <https://webassign.net/>, select “Enter Class Key,” and follow the directions using the following Class Key: **fhu 5883 5017**
 - You will not need to buy the physical textbook unless you would like it.
- Graphing Calculator TI-NSPIRE 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 5 as time permits.

GRADING POLICY

ASSIGNMENTS AND TESTS: Grades in the course will be determined based on the following:

- **Homework Assignments (40%):** Practice exercises are an integral part of the learning process in this course. Homework assignments will be completed online using WebAssign. Each assignment must be completed by the posted due date. Generally, students will be allowed a maximum of three attempts on each part of each homework problem.
- **Tests (45%):** Tests will be given during the semester as outlined in this syllabus. Tests will be paper based (not online), and students will be required to show work in support of answers. Students will be allowed to use a graphing calculator during testing. Each student must have his or her own calculator to use during testing. All other electronic devices (such as laptops and cell phones) must be silenced and put away during testing. The use of unauthorized electronic devices during testing will be considered cheating.
- **Final Exam (15%):** A comprehensive final exam will be given at the end of the semester according to the exam schedule. All students must take the final exam at the scheduled time.

GRADING SCALE

A= 90-100

B= 80-89

C= 70-79

D= 60-69

F= 0-59

WA=Excessive Absences

Attendance Points On Final Exam

of tardies or unexcused absences

0 +10 on final exam

1 to 2 +5 on final exam

3 to 4 +0 on final exam

5 to 6 - 5 on final exam

7 or More - 10 on final exam

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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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-NSPIRE 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

Math Tutoring Services: The Academic Success Center at FHU provides free math tutoring. For information, contact Connie Pritchard (cpritchard@fhu.edu 731-989-6061) or go to: <http://www.fhu.edu/academics/services/index.aspx>.

OTHER

TIPS FOR SUCCESS

- **Make Sure You Meet the Prerequisites**—If you do not meet the prerequisites for the course, there is a chance you will not be able to succeed no matter how hard you try.
- **Attend Every Class and Take Notes**—Attend every class and take a complete set of notes. After class, go back over your notes, filling in gaps as needed and organizing them for future review. Stay engaged during the entire class and avoid distractions. Don't be afraid to ask questions and make comments.
- **Make Time to Study**—Allocate four to six hours per week of study time specifically for your mathematics course. Each study session should last between 30 and 60 minutes. Adjust as needed during the semester.
- **Complete All Homework Assignments and Reviews**—Begin working on assignments as soon as possible after the lecture on the material has been given so that the material is still fresh. Starting assignments early will also leave you time to seek help as needed. If the instructor provides reviews and/or sample tests, be sure to take advantage of the extra material.
- **Read Your Textbook**—Use part of your study time to read ahead in the textbook, reading the section(s) of material that will be discussed in class before the lecture. Make use of videos and tutorials embedded within the electronic textbook, if available. Create an outline of the material from each section, noting important formulas, and noting any questions you may want to ask in class.
- **Review Regularly**—Knowing that new material will likely build upon previous material, review material from previous sections regularly. Do not wait until a test is approaching to begin reviewing.
- **Find a Study Partner (or two)**—Find a study partner in the course whose ability is similar to yours. When working math problems, attempt the problems independently before asking for assistance. Do not make the mistake of using your study partner as a crutch.
- **Seek Additional Help**—If you are having trouble understanding the material, don't give up. Seek help from tutors or your instructor. Make use of the tutoring services on campus, or (if needed) hire a private tutor.