

## MATH1113 – FALL 2017

**Hours Credit:** 4 hours

### **COURSE INSTRUCTOR**

**Instructor:** Carrie Carmack  
**Office:** Boyd 104  
**Email:** ccarmack@westga.edu

### **OFFICE HOURS**

**WEDNESDAY**

**2:30PM – 3:30PM**

**THURSDAY**

**9:30AM – 12:30PM**

**FRIDAY**

**9:30 AM – 10:50 AM**

### **REQUIRED COURSE MATERIALS**

ALEKS: All students in MATH 1113 are required to have an ALEKS Account. Go to [www.aleks.com](http://www.aleks.com) to purchase an ALEKS 360 18 week access code (\$50)

**The ALEKS course code for this section is: FV9WR-PKFNF**

You will also need to purchase a calculator (scientific or graphing) and a binder with notebook paper for taking notes.

### **Courses Description**

This course is designed to prepare students for calculus, physics and related technical subjects. Topics include an intensive study of algebraic and transcendental functions.

### **Learning Outcomes**

Students should be able to demonstrate:

1. An understanding of functions and how to graph functions
2. An understanding of operations on functions including function composition
3. An understanding of types of functions.
4. An understanding of rational functions and their graphs, including intercepts and asymptotes
5. An understanding of how to find the zeros of a polynomial and how to factor polynomials
6. An understanding of inverse functions and how to find them graphically and algebraically
7. An understanding of the properties of exponential and logarithmic equations
8. An understanding of how to solve exponential and logarithmic equations
9. An understanding of how to solve systems of equations
10. An understanding of how to find the values of the trigonometric functions from right triangles and circles
11. An understanding of how to graph the trigonometric functions

12. An understanding of how to prove trigonometric identities
13. An understanding of how to use the sum, difference, double-angle and half-angle formulas for sine and cosine
14. An understanding of how to solve triangle using the law of sines and law of cosines
15. An understanding of polar coordinates and graphs
16. An understanding of how to analyze and solve applied problems

### **COURSE ASSESSMENT**

Students' mastery of course learning outcomes will be assessed using the following methods:

- 1) **EXAMS**: You will be given 4 in-class exams during the semester. Each exam will be worth 100 points. **STUDENTS CAN NOT TAKE AN EXAM LATE**. If a student misses an exam, for any reason, they will not be permitted to take the exam at a later time. A student may take an exam early if they give the instructor a minimum of 5 days notice.

**\*\*A student's Final Exam grade will replace their lowest in-class exam grade.**

**\*A student's overall average ALEKs Module grade will also replace their lowest test grade, if it is higher.**

- 2) **FINAL**: Students will have a comprehensive final exam. Students are required to take the final exam on their scheduled day.

**\*\*The final exam schedule is found in the SCOOP. A student must take their final exam during their scheduled time, unless they receive prior instructor approval.**

- 3) **STUDENT-TEACHER MEETING**: The student is required to meet with the instructor once during the semester. The instructor will contact the student via their westga student email no later than **9/31** to schedule an appointment. The student must respond to the initial teacher email within **2 weeks** to schedule an appointment. If a student fails to make their appointment time, they can reschedule once. If they fail to make the appointment a second time, they will receive a 0% for this grade.

**\*\*If there is any issue with a student receiving an initial email, it is the student's responsibility to contact the instructor no later than 9/31 to schedule an appointment.**

### **OTHER COURSE INFORMATION**

- 1) **ALEKs Modules**: Modules will be given but not be assigned for a grade. A student's overall Module average will replace the lowest test grade, if it is higher.  
**\*\*There are 12 modules in this class. A student must complete 80% of Module 1 before they can start Module 2, etc.**

**\*\*The last day to work on Modules will be: November 19, 2017**

Students should have the following modules completed by each test in order to be fully prepared:

<b>TEST 1:</b>	<b>Modules 1-3</b>
<b>TEST 2:</b>	<b>Modules 4-6</b>
<b>TEST 3:</b>	<b>Modules 7-9</b>
<b>TEST 4:</b>	<b>Modules 10-12</b>

- 2) **Extra Credit**: Extra credit will be offered in this class via:

i) **Supplemental Instruction**: You must attend 50 minutes of a 1 hour session with our SI leader for 1 bonus point.

ii) **Tutoring**: You must attend 1 hour of tutoring in the Center for Academic Success for 1 bonus point.

\*You must submit a CAS verification card for tutoring.

iii) **Intervention Tutoring**: You can attend a 1 hour intervention tutoring session for 1 bonus point. You must sign up with the instructor and commit to certain tutoring policies to be eligible to attend.

**You may receive a maximum of 20 bonus points during the semester to go toward your exam grade. The dates for eligibility will be AUGUST 14 – NOVEMBER 17.**

- 3) **Attendance**: Attendance will be taken but not used as a grade.

\*Students are expected to come to class and be "present". If you come to class to sleep, be disruptive, or use your phone, you may be asked to leave.

\*It is the student's responsibility to catch-up on any missed material. You will not be permitted to have a copy of the instructor's notes. It is your responsibility to find out any announcements/changes made during class.

## **ASSESSMENT GRADING**

<b>STUDENT TEACHER MEETING:</b>	<b>3%</b>
<b>EXAMS:</b>	<b>72% (18% each)</b>
<b>FINAL EXAM:</b>	<b>25%</b>

**Grade Turnaround:**  
**Exams will be graded within 2 weeks of the test date.**

**Grading Scale:**

90% - 100%:	A
80% - 89%:	B
70% - 79%:	C
60% - 69%:	D
<60%:	F

**COURSE POLICIES AND INFORMATION**

**University Policies and Academic Support**

Please carefully review the following Common Language for all university course syllabi at the link:

[http://www.westga.edu/assetsDept/vpaa/Common\\_Language\\_for\\_Course\\_Syllabi.pdf](http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf)

It contains important material pertaining to university policies and responsibilities. Because these statements are updated as federal, state, university, and accreditation standards change, you should review the information each semester.

For important policy information, i.e., the UWG Honor Code, Email, and Credit Hour policies, as well as information on Academic Support and Online Courses, please review the information found in the Common Language for Course Syllabi documentation at [http://www.westga.edu/assetsDept/vpaa/Common\\_Language\\_for\\_Course\\_Syllabi.pdf](http://www.westga.edu/assetsDept/vpaa/Common_Language_for_Course_Syllabi.pdf).

**Academic Honesty**

**Any form of academic dishonesty will result in a failing grade for the assignment for the first offense (students will not be able to replace this grade). A second offense will result in a failing grade for the course. All forms of academic dishonesty will be reported.**

Definitions of academic dishonesty are defined in the student handbook:  
[www.westga.edu/handbook/](http://www.westga.edu/handbook/)

**Disabilities Act/Accessibility for the Course**

If you are a student whom is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please notify me and provide me with a copy of your packet from Student Services. The university will provide you with

resources for any audio/visual needs that you may have with the learning management system or course content.

Please contact UWG Accessibility Services for more information.

### **Student Conduct**

Students are expected to abide by the guidelines detailed in the university catalog. Respect and courtesy are required of all students while in the classroom. The following is also mandatory:

- 1) Cell phones and laptops will not be permitted in class, unless prior arrangements have been made with the instructor (emergencies, disabilities, etc). Continued use of cell phones/laptops will result in your dismissal of class.
- 2) Students are required to be courteous to others and the instructor. If a student is being disrespectful or disruptive, they will be asked to leave.

### **IMPORTANT NOTE**

I reserve the right to modify this syllabus at any time during the course of the term, particularly regarding the course schedule. If such a modification is substantial, I will reissue a revised syllabus and announce the change in class.

The final exam schedule can be found on the SCOOP at [www.westga.edu](http://www.westga.edu).