

Math 117-003

MWF 10:20 – 11:15, KTH 3051

3 hours Credit

Dr. Spraker – Office COHH 3110, Phone: Home 782-6018 Cell (270)320-3629

John.Spraker@wku.edu People.wku.edu/john.spraker/home.html

Office hours:

MW 11:20-12:25, 3:00-4:00 Other times by appointment or capture.

F 11:20-12:25

TTH 12:35-2:00

Drop Date: Nov. 4

Welcome to Trigonometry! I am looking forward to getting to know each of you and we should have a lot of fun learning some interesting mathematics together. Trigonometry is one of the most applicable areas in mathematics. It is used for surveying, measurement, calculus and many other things. It has a long history. Many people have used trigonometric principles to measure inaccessible objects or objects at great distances. An understanding of this subject is essential for anyone who wishes to study the sciences, mathematics, or engineering.

To be successful in this course you must keep up. The homework will be assigned daily and will be online using MyMathLab. Before purchasing anything see the information about Day One Access below.

Textbook and Materials-Day One Access

This course participates in The WKU Store's Day One Access program. This program is designed to provide immediate access to required materials for all students at prices cheaper than any other option.

Required materials will be delivered to you automatically by enrolling in this course unless you choose to opt-out. By participating in this program, The WKU Store will bill your Student Billing account, and you will see a charge appear under this Term along with Tuition and Fees ("Account Summary by Term" under the Student Services tab) labelled as either "The WKU Store Purchases" or "Day One Access" after the Add/Drop period. For more information on this program or to opt-out of participation, go to our information page, <http://www.wkustore.com/t-day-one-access.aspx>.

You need to be prepared before each class. This math class moves very rapidly, so you cannot afford to miss a class or not do homework every night. If you are having problems with a particular problem, call or see me before class. If I did not like talking to students, I would not teach for a living. Don't hesitate to ask questions.

There will be three in-class exams and a comprehensive final as well as numerous homework assignments. The dates for the exams are below. In addition to this you are required to purchase a graphing calculator. See below for more details.

Exams:

Friday Sept. 13

Friday Oct. 18

Friday Nov. 8

Final: Friday Dec. 13 10:30 – 12:30

Your grades will be determined as follows:

Homework 20%

Exams 60%

Final Exam 20%

Learning Objectives

This course fulfills the Quantitative Reasoning requirement in the Foundations category of WKU's Colonnade program. As part of that program, Math 117 has the following learning objectives: Students will demonstrate the ability to

1. Interpret information presented in mathematical and/or statistical forms.
2. Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically.
3. Determine when computations are needed and execute the appropriate computations.
4. Apply an appropriate model to the problem to be solved.
5. Make inferences, evaluate assumptions, and assess limitations in estimation modeling and/or statistical analysis.

Prerequisites

At least one of the following criteria must be met to enroll in Math 117:

- WKU Math Placement Exam score ≥ 18 AND Math ACT ≥ 22 , or
- Completion of MATH 116 with a grade of C or better

Materials

- Textbook is optional; the entire content of the textbook can be accessed online within the MyMathLab program. If you desire a hard copy of the textbook, it is: Trigonometry by Daniels, Hornsby, Lial & Schneider, 11th Edition
- Each student will need a graphing calculator for use in class and for assignments. TI-83 and TI-84 are preferred, and instruction for these models will be given. If you have a TIInspire, it must have an 84 faceplate or it must be set in "Press to Test" mode when taking exams. TI-89s, TI-92s and any model calculators with CAS are prohibited. Cell phone calculators are not permitted!
- Each student needs regular, reliable internet access. You need to have a back-up plan for when your internet access is down. Any equipment problems (including internet outages) will not be considered a valid excuse for missing assignments!

Ogden Student Course Attendance Statement

The faculty and staff of Ogden College of Science and Engineering are committed to providing you with learning experiences and opportunities. You must assume ownership of your education and be an active participant in the classroom and laboratory to take advantage of these opportunities. Active participation requires you to attend. Scientific studies have shown that attendance during scheduled classroom and laboratory meetings is directly correlated to your performance on assignments and exams and the potential to earn higher grades. Additionally, if you do not regularly attend class, you are missing important information about course topics, due dates, and assignment details that are crucial to your success in the course. Therefore, as a student enrolled in an Ogden course, you are expected to attend every class meeting and to inform your instructor regarding the reasons for any absences as soon as practical. Your instructor may incorporate class attendance/participation as part of the grading criteria.

- The Learning Center (TLC) Should you require academic assistance with your WKU courses, The Learning Center (located in the Downing Student Union, 2141) provides free supplemental education programs for all currently enrolled WKU students. The Learning Center at Downing Student Union offers certified, one-on-one tutoring in over 200 subjects and eight academic skill areas by appointment or walk in. Online tutoring is offered to distance learners. TLC is also a quiet study area (with side rooms designated for peer-to-peer tutoring) and a computer lab to complete academic coursework. Please call TLC in the Downing Student Union at (270) 745-5065 for more information or to schedule a tutoring appointment. www.wku.edu/tlc

Libraries:

1. WKU Libraries has subject specialist faculty members who work with every department and program on campus.
2. Students can make an appointment with the subject specialist faculty librarian any time they have a paper or project.
3. As your own personal librarian, the subject specialist library faculty member will sit down with students, help them get started with their research, make sure the students know how to use the online resources, etc.

ADA Accommodation Statement

In compliance with University policy, students with disabilities who require academic and/or auxiliary accommodations for this course must contact the Student Accessibility Resource Center located in Downing Student Union, Room 1074. SARC can be reached by phone number at 270-745-5004 [270-745-3030 TTY] or via email at sarc.connect@wku.edu. Please do not request accommodations directly from the professor or instructor without a faculty notification letter (FNL) from The Student Accessibility Resource Center.

Other Policies:

Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU's Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and Discrimination and Harassment Policy (#0.2040) at https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf.

Under these policies, discrimination, harassment and/or sexual misconduct based on sex/gender are prohibited. If you experience an incident of sex/gender-based discrimination, harassment and/or sexual misconduct, you are encouraged to report it to the Title IX Coordinator, Andrea Anderson, 270-745-5398 or Title IX Investigators, Michael Crowe, 270-745-5429 or Joshua Hayes, 270-745-5121.

Please note that while you may report an incident of sex/gender based discrimination, harassment and/or sexual misconduct to a faculty member, WKU faculty are "Responsible Employees" of the University and MUST report what you share to WKU's Title IX Coordinator or Title IX Investigator. If you would like to speak with someone who may be able to afford you confidentiality, you may contact WKU's Counseling and Testing Center at 270-745-3159.