

Course Title: **Trigonometry**

VU Course Number: **MATH 104**

Credit Hours: **3**

Distribution of Contact Hours: **3 lecture**

Course Syllabus  
Spring Semester, 2014

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Office Hours

Monday \_\_\_\_\_

Tuesday \_\_\_\_\_

Wednesday \_\_\_\_\_

Thursday \_\_\_\_\_

Friday \_\_\_\_\_

## I. Textbook and Materials

College Algebra and Trigonometry, 4th Edition, Lial, Hornsby, Schneider; copyright 2009, by Addison-Wesley Educational Publishers, Inc., ISBN 10-0-321-49744-9. **Textbooks may be purchased at the Vincennes University Bookstore or through any number of online book dealers.**

A scientific (or better) calculator is required for this course. I recommend the TI-30X II S or similar scientific calculator – as long as it has arrow keys. A graphing calculator is not necessary, but is recommended if you plan to enter a mathematics intensive field of study.

## II. Course Catalog Description

Prerequisite: MATH 102 with a C or better grade.

MATH 104 is designed to prepare students to enroll in a standard college calculus course. It covers topics commonly taught in the trigonometry course of most high schools. Thus, a student beginning this course is assumed to have a working knowledge of the material taught in a standard second year algebra course in a high school.

Various methods may be needed to learn the mathematics presented during class. These methods would include direct instructions, demonstrations, drill and practice, problem solving, tutoring, and programmed instruction. Mathematics is a participation sport; you must actively use the text by reading it and working the illustrative examples on a daily basis. Not all topics will be clearly understood the first time that you see them. It may be necessary for you to work more problems on some topics than other topics. Your teacher will help you to learn as much as possible, but the ultimate responsibility is yours!

## III. Course Assessment Strategies

The degree of achievement of each of the outcomes above will be assessed with written exams. Both the class average and class median (as percent attained) on these exams will serve as an indicator of how well the outcomes have been achieved. The class average and class median (as percent attained) on the comprehensive final exam will serve as an indicator of how well the course strategies have worked to develop the ability to recognize the mathematical patterns, and appropriate models for evaluation, solution, and interpretation within the common applications experienced in the business and social sciences. Class average and class medians of 70% or greater on the final exam will serve to confirm a level of achievement of the course outcomes.

## IV. Tutoring

**As VU students, you are eligible for free tutoring on the campus of Vincennes University at either of the following locations.**

### **Mathematics Laboratory Learning Center**

Mathematics Laboratory Learning Center in the McCormick Science Center Building, MSC-26 in Room G-7 is open to all students without charge. This facility is a walk-in tutoring center that does not require appointments. There is free tutoring from both peer and professional tutors in mathematics. Schedules will be available early each semester and posted near the lab.

### **Kirkwood Academic Skills Center**

The Kirkwood Academic Skills Center in the Shircliff Humanities Building, SH-15 in Room E-136 is also open to all students without charge. Tutoring begins the third week of classes each semester. This is free

tutoring from both peer and professional tutors in most subjects. Schedules will be available early each semester and posted near the lab.

## V. Course Grading and Evaluation Practices

Your grade for the semester is based on 4 exams worth 100 points each, 4 quizzes worth 50 points each, and a homework assignment for each section covered worth 10 points each. Tests and quizzes are weighted at 80% of your quarter score and homework is weighted at 20%.

Keep track of your total points and then calculate your quarter grade using the following formula:

$$\text{Quarter Grade} = 0.8(\text{Combined Test and Quiz Percentage}) + 0.2(\text{Homework Percentage})$$

Your final exam will be worth 20% of your semester grade. Your semester grade is calculated using the following formula:

$$\text{Semester Grade} = 0.4(\text{Q1 Percentage}) + 0.4(\text{Q2 Percentage}) + 0.2(\text{Final Exam Percentage})$$

**You must receive a 70% or higher to receive credit from Vincennes University.**

\*Each student must take the final exam to complete the course requirements. Your instructor will announce the exact time and day of your final exam near the end of the semester.

## VI. Course Policies

### Attendance

The Vincennes University policy is premised upon the notion that students will attend all sessions of the classes in which they are enrolled. This policy supports Vincennes University's philosophy that students benefit most from the people and facilities provided by the citizens of Indiana through proper and adequate class attendance. Consequently, missing class for any reason will be regarded as an absence. When absences result from an approved and required University activity, they will not be counted against a student, and the work missed may be made up.

Vincennes University believes that students who participate in University-sponsored activities and faculty-developed field trips must develop habits of attendance consistent with such participation, or voluntarily refrain from such participation. *For whatever reason an absence occurs, the student is responsible for the work missed.*

### Make-up/Late Work

**All make-up and late work will be collected or refused at the discretion of the instructor. Make-up tests and quizzes must be arranged for and taken within one week of the regularly scheduled test date. In the case of major unforeseen circumstances, the instructor may modify this policy as he sees fit. Make-up tests will likely be more difficult than the regularly scheduled test. Late homework assignments may be submitted for a penalty of 50% per day.**

### Electronic Devices

Cell phones, audio pagers/beepers, walkie-talkies, etc. must be turned off during lecture and laboratory sessions unless otherwise approved by your course instructor(s) in advance because of emergency situations.

### Academic Dishonesty

Vincennes University recognizes that it must create an environment where each student will be free to pursue his/her academic interests without interference from others. This includes upholding the integrity of the

academic process as well as providing a community free of disruptions. The following restrictions are designed to foster a healthy and peaceful learning community. Apathy and deliberate indifference are not neutral acts and may be violations of this standard.

Students are expected to be honest in all academic work. A student's placement of his/her name on any academic exercise shall be regarded as assurance that the work is the result of the student's own thought, effort, and study. The following behavior is subject to disciplinary sanctions.

1. Acts of dishonesty, including but not limited to the following:
  - a. Cheating, plagiarism, or other forms of academic dishonesty.

Plagiarism is defined as presenting someone else's work, including the work of other students, as one's own. Any ideas or materials taken from another source for either written or oral use must be fully acknowledged. A student must not adopt or reproduce ideas, opinions, theories, formulas, graphics, or pictures from another person or source without acknowledgement. The instructor will determine appropriate student disciplinary action that is consistent with the University's dishonesty policy.
  - b. Furnishing false information to any university official, faculty member, or office.
  - c. Forgery, alteration, or misuse of any university document, record, or instrument of identification.

Incidents under b and c will be referred to the Dean of Students, who will determine appropriate student disciplinary action in keeping with procedures used in the handling of other types of student conduct situations.

2. Disruption or obstruction of teaching, research, administration of other university activities, including its public service functions on or off campus, or of other authorized non-university activities when the conduct occurs on university premises. (This policy is not intended to hinder organized, peaceful, and orderly protests.)

### **Disabilities Services**

The Office of Disability Services reviews requests and determines appropriate accommodations for students with disabilities. Students with psychological, physical, sensory, communicative and/or learning disabilities should seek out this office as soon as possible after admission to V. U. if they require academic accommodations. The student will be required to provide copies of medical or psychometric evaluations that document the presence of a disability and the impact of the disability on the student's level of functioning. The Office of Disability Services also coordinates the availability of assistive technology at various campus locations to provide accessible classroom materials and equipment. Vincennes University complies with the requirements set forth by the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act to assure the rights of individuals with disabilities to fair, non-discriminatory treatment. The Office of Disability Services is located at the south entrance of Vigo Hall. The phone number is 812-888-4501. Specific procedures for requesting an accommodation for a disability may be found at the Office of Disability Services website at: [http://www.vinu.edu/cms/opencms/student\\_services/disability\\_services/](http://www.vinu.edu/cms/opencms/student_services/disability_services/). Students that will be requesting accommodations should view the Disability Services website for documentation requirements.

### **Standard of Student Behavior**

Students need to be aware that violations of the University Standard of Student Behavior may result in some form of disciplinary action. See pages 30 – 39 in the current VU catalog.

### **Content/Schedule Change**

The content is subject to change at the instructor's discretion. As changes are made the instructor will promptly notify the student.