MTH 122 – Plane Trigonometry (Online) – January 11 – May 6, 2010

Course Information:

Course Title: MTH 122 – Plane Trigonometry – Section 209 CRN:3068
Prerequisites: ACT 21 or SAT 500 or MTH 127(or MTH 130 or MTH 130H) concurrent.
Course Instructor: Dr. Ari Aluthge (Pronounced: A-luth-gay)
Office: Morrow Library (106) Phone: (304) 696 3050 Email: aluthge@marshall.edu
Office Hours: 9:00 – 9:50 am and 11:00 to 11:50 am, Mon., Wed., Fri.
Textbook: College Trigonometry, 6th Ed. by Aufmann, Barker, and Nation.
(The book can be ordered online at The Marshall University Bookstore or at any other book seller of your choice). **This book is not the same as the book used for on campus MTH 122 Sections. So be careful when buying the book.**
Recommended: A graphing calculator (TI-83 calculator is strongly recommended)
Recommended: Student Study Guide (Solutions to odd-numbered exercises). Buy from the publisher
Recommended: Online Study Center (FREE). Go to: www.college.hmco.com/info/aufmannCAT
Recommended: Instructional DVD's. Buy from the publisher (see page xix of the textbook)
Recommended: Visit www.college.hmco.com/info/aufmannCAT for more information

On Campus Requirements:

There is absolutely no requirement for you to come to campus for this course. This is an online course. Students will learn the material on their own using the textbook and the material provided online (course website). All the exams and quizzes will be taken online using the Assessment Tool. In order to log onto the course, go to Marshall Webpage at www.marshall.edu and select the link MUOnline or go directly to www.marshall.edu/muonline . Then log on using username= your MU 901-number and password = your birthday (MMDDYY). Once you log on, all your MU courses for the 2010 spring semester will be listed. Click on the link for this course: MTH 122 - Plane Trigonometry- Section 209.

System / Technical Requirements:

- For minimum hardware/software requirements please see: http://www.marshall.edu/muonline/hardwaresoftwarecheck.asp
- Be sure to run the free web browser tune-up: http://www.marshall.edu/muonline/support/tuneup.asp
- You will need to have several plugins (software) installed on your computer. These plugins are all free. You will need **Real Player** and **Flash Player** to experience the streaming video and audio clips that are part of the course. You will also have to okay your "pop-ups" while you are online. You can easily check your computer to see if you have these programs (and if you don't install them for free), by clicking on this link: http://www.marshall.edu/muonline/support/plugin.asp
- If you have technical problems, please go to the Help Desk: http://www.marshall.edu/muonline/technicalfaq.asp
- If you experience any technical difficulties, please contact one of the following Marshall University help desks numbers for help:
  (304) 696-3200 (Huntington, WV) **(877) 689-8638 (Toll free)**

Course Objectives:

- To present a comprehensive development of trigonometry and some of the applications of trigonometry.
- To help prepare students for courses in calculus and analytic geometry.
- To help prepare students for study in areas such as physics, engineering, biology, chemistry, pharmacy, geology, and medicine.

Course Content:

- Review of Topics from Algebra
- Right Triangular Ratios
- Trigonometric Functions
- Graphs of Trigonometric Functions
- Trigonometric Identities
- Inverse Trigonometric Functions and Trigonometric Equations
- Applications (Law of Sines, Law of Cosines, Vectors)
- Trigonometric Functions and Complex Numbers
- Polar Coordinates and Conic Sections (brief)

Organization of the Course:

- **The course is divided into three units:**
  - Unit 1 = Chapters 1 and 2
  - Unit 2 = Chapter 3
  - Unit 3 = Chapters 4 and 5, and Sections 6.5 and 6.6
  - There is a deadline to finish each unit.
  - There is an even earlier deadline to finish Chapter 1 (Review material).
  - There is a unit exam at the end of each unit. One attempt and time limit.
  - A comprehensive final exam at the end of the course (one attempt & time limit).
  - There is no proctor requirement for taking exams. This is a change from my previous policy.
  - You are allowed to finish the course ahead of time.

- **Each chapter is divided into several sections and each section is divided into several subsections:**
  - There are lecture notes provided for each section and each topic
  - These lecture notes contains detailed explanations of the material, video clips, and many worked out examples
  - There is a list of suggested homework exercises at the end of each section.
  - But the homework will not be collected or graded.
  - There is a quiz after each section. Take quizzes after you study each section.
  - **You are allowed two attempts on each quiz and the best attempt will be counted. There is a time limit on quizzes.**
  - **All exams and quizzes are multiple choice and open books/notes.**
  - Only quizzes, unit exams, and the final exam will count for the grade.
  - A graphing calculator is allowed for exams and quizzes.

Semester Schedule:

- **Some important deadlines**: All times are Eastern Standard Time
  - Quizzes for Chapter 1 is due by February 7th, 11:59 pm.
  - Quizzes for Chapter 2 and Unit 1 exam are due by February 28th, 11:59 pm.
  - Quizzes for Chapter 3 and Unit 2 exam are due by March 28th, 11:59 pm.
  - All quizzes for Cha. 4, Cha. 5, and Section 6.5 - 6.6, and Unit 3 are due by May 2nd, 11:5p pm.
  - The comprehensive final exam is due by May 6th, 11:59 pm
- **The following weekly outline will help you keep up with your work**:

	Week of	Chapters and Sections
Unit 1	January 11	1.1, 1.2, and 1.3
	January 18	1.4 and 1.5
	January 25	1.6 and 1.7, Chapter 1 quizzes due by February 7th, 11:59 pm
	February 1	2.1 and 2.2
	February 8	2.3 and 2.4
	February 15	2.5 and 2.6
	February 22	2.7 and 2.8, Chapter 2 quizzes and Unit 1 exam due by February 28th, 11:59 pm
Unit 2	March 1	3.1 and 3.2
	March 8	3.3 and 3.4
	March 15	3.5 and 3.6
	March 22	Quizzes for Chapter 3 and Unit 2 exam are due by March 28th, 11:59 pm
Unit 3	March 29	4.1 and 4.2
	April 5	4.3 and 5.1
	April 12	5.2 and 5.3
	April 19	6.5 and 6.6 (skip Sections 6.1 through 6.4)
	April 26	Cha. 4, 5 & Sec. 6.5-6.6 quizzes and Unit 3 exam due by May 2nd, 11:59 pm
	May 2	Comprehensive final exam due by May 6th, 11:59 pm (Final exam contains questions from Chapters 2, 3, 4, 5, and 6.5-6.67)

Your Grade:

- Quizzes will be worth 20% of your grade
- Each unit exam will be worth 20% of your grade
- Final exam will be will be worth 20% of your grade
- Letter grades will be assigned as follows:

A = 90.00–100, B = 80.00–79.99, C = 70.00–79.99, D = 60.00-69.99, D=Below 60.00

A word from the instructor:

Don't hesitate to contact me directly with questions or concerns. You can reach me through the VISTA *Mail* Tool or *MyMU* or directly at: aluthge@marshall.edu . You can also reach me at 304.696.3050. Please don't let your questions hang out there and simmer. If you are not sure about something the best thing to do is to ask about it right away! Something that may seem obvious to me may not be obvious to you at all! Good luck this semester with all of your classes.

Dr. Ari Aluthge, Department of Mathematics, Marshall University