

**Note:**

**Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form.**

## MOODY DISTANCE LEARNING

### Course Number, Name, and Credit Hours

GSU-2230 Math for Liberal Arts, 3 credit hours

### Course Description

This course will develop mathematical reasoning and give the student a general overview of basic mathematics with an emphasis on the skills needed for aviation. Students will be exposed to basic algebra, geometry and triangle trigonometry. Also to be explored is unit conversion, percentages, ratios and a variety of applied formulae.

### Course Goals

In this course you will:

- Understand basic algebraic & trigonometric concepts
- Develop the student's mathematical skills and problem-solving abilities
- Increase the student's confidence in applying mathematical skills in real-world situations

### Course Objectives

After completing this course you should be able to:

1. Find area and volume of various geometric shapes
2. Work with ratios, proportions and percentages
3. Solve problems using algebraic equations and expressions
4. Work with unit conversions
5. Use basic trigonometry and vectors

### Course Textbook(s) and/or Supplemental Information

Required textbooks for all Moody Online classes can be found on the [Required Textbooks](#) section of the Moody website.

### Assignments

All assignments are due by midnight (CST) Monday, at the end of the given week. Each new week begins on Tuesday.

1. **HOMEWORK QUIZZES:** There is one homework quiz for each section. This means there are several due each week. Each quiz will consist of about five (5) questions pulled directly from the even-numbered questions in your textbook. You will take each on Blackboard.
2. **CHAPTER EXAMS:** There will be four exams as denoted in the Course Schedule that you will take in Blackboard. Each exam will consist of a number of questions similar to what you encountered in the homework quizzes and pulled from any section covered since the previous exam.

3. **DISCUSSION BOARD:** You must maintain a significant presence in the discussion board. Please refer to the discussion board rubric included in the **Course Resources** section of this course on Blackboard for more information on how your participation in the discussion board will be assessed.

### Assessments

Your grade for this course will consist of:

Homework Quizzes	20%
Chapter Exams (4 exams @ 15% each)	60%
Discussion Board	20%
<b>Total</b>	<b>100%</b>

Letter grades are determined by the following scale:

Letter Grade	Percentage Equivalent	Letter Grade	Percentage Equivalent
A	96% or higher	C	73 - 76.9%
A-	90 - 95.9%	C-	70 - 72.9%
B+	87 - 89.9%	D+	67 - 69.9%
B	83 - 86.9%	D	63- 66.9%
B-	80 - 82.9%	D-	60 - 62.9%
C+	77 - 79.9%	F	Below 60%

### Course Resources (links to MBI library, Web sites, etc. to assist students in the course)

Online students have access to the Moody Library. Though students may wish to check out books via inter-library loan, the online database has a number of articles and reviews available for download. You can access the online database by logging into your account at [my.moody.edu](http://my.moody.edu). If you have not previously accessed the library database you may wish to complete the database tutorial at <http://mmm.moody.edu/GenMoody/default.asp?sectionID=69C97E398A6249D9AC3859B4CBF81926>.

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