

**Marshall University
Syllabus**

Course Title/Number	MTH 121 Syllabus – Concepts and Applications
Semester/Year	Fall 2014
Days/Time	Online
Location	Web
Instructor	Laura L. Stapleton
Office	Smith Hall 311B
Phone	304-696-4334
E-Mail	stapleto@marshall.edu
Office/Hours	By Appointment
University Policies	<p>By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to www.marshall.edu/academic-affairs and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to http://www.marshall.edu/academic-affairs/?page_id=802</p> <p>Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment</p>

Course Description: From Catalog

A critical thinking course for non-majors that develops quantitative reasoning skills. Topics include logical thinking, problem solving strategies, linear modeling, beginning statistics and probability, exponential and logarithmic modeling, formula use, financial concepts.

The table below shows the following relationships: How each student learning outcomes will be practiced and assessed in the course.

Course Student Learning Outcomes	How students will practice each outcome in this Course	How student achievement of each outcome will be assessed in this Course
Students will solve real-world problems using unit analysis.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams
Students will interpret and analyze numbers that they will encounter in the real world.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams
Students will demonstrate a proficiency in utilizing formulas from basic financial concepts such as loan payments, credit cards, and mortgages.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams
Students will interpret and analyze statistical studies.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams
Students will analyze and interpret statistical concepts such as measures of central tendency, measures of variation, and normal distributions.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams

Students will compare linear growth and exponential growth rates and their real-world applications.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams
Students will demonstrate a proficiency in the fundamentals of probability including expected value.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams
Students will demonstrate an ability to analyze arguments and construct fallacies.	Homework, Chapter reviews, Critical thinking activities	Homework, Critical Thinking activities and exams

Required Texts, Additional Reading, and Other Materials

1. Jeffrey O. Bennett and William L. Briggs, *Using and Understanding Mathematics*, Sixth Edition. ISBN# 9780321923219.
2. Scientific Calculator
3. Access to a computer with Internet Access

Course Requirements / Due Dates

1. **Module 1** (Chapters 2 – 3) Homework Assignments, Critical Thinking Activities, Study Plans, Review Quiz and Exam are to be completed by **September 15, 2014**.
2. **Module 2** (Chapters 4 – 5) Homework Assignments, Critical Thinking Activities, Study Plans, Review Quiz and Exam are to be completed by **October 6, 2014**.
3. **Module 3** (Chapters 6 – 7) Homework Assignments, Critical Thinking Activities, Study Plans, Review Quiz and Exam are to be completed by **November 3, 2014**.
4. **Module 4** (Chapters 1 and 8) Homework Assignments, Critical Thinking Activities, Study Plans, Review Quiz and Exam are to be completed by **December 1, 2014**.
5. The **Final** (Chapters 1 – 8) is to be completed by **December 8, 2014**.

Attendance Policy

There is absolutely no requirement that you come to campus. You can communicate with me via email. All exams are timed and taken online.

Tutoring Policy

Marshall University provides multiple options for free on-campus tutoring. It is the student's responsibility to take advantage of these facilities in addition to utilizing office hours.

The Mathematics Department tutoring lab is located in in Smith Music Hall 115. The current schedule can be found at www.marshall.edu/math/tutoringlab.asp. Schedules for the new semester are usually posted during the second week of classes.

The University College has a tutoring lab on the first floor of Laidley Hall. Information regarding this facility can be found at <http://www.marshall.edu/wpmu/uc/tutoring-services>

Grading Policy

A student's grade is assessed by the following percentages earned from each of the categories below:

Category	% of Grade
Module Exams (4 @ 15%)	60%
Homework	10%
Comprehensive Final	15%
Critical Thinking Activities	5%
Review Quizzes	5%
Total	100%

The Mathematics Department uses the following grade scale for its classes:

90 – 100	=	A
80 – 89	=	B
70 – 79	=	C
60 - 69	=	D
Below 59	=	F

Technical Requirements/Support

For minimum hardware/software requirements please see:

<http://www.marshall.edu/muonline/hardwaresoftwarecheck.asp>

- Be sure to run the free web browser tuneup:
<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 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>

TECHNICAL SUPPORT

SERVICE DESK HOURS – Located in Drinko Library on the Main MU Campus

Monday - Thursday: 24 Hours

Friday: 8:00AM - 6:00PM

Saturday & Sunday: On Call Only (Calls received will be returned within 4 hours)

(304) 696-3200 Huntington calling area

(304) 746-1969 Charleston calling area

(877) 689-8638 Toll free, outside the Huntington/Charleston calling areas

<http://www.marshall.edu/inforesources>

itservicedesk@marshall.edu

NEED HELP WITH MyMathLab?

- Visit www.mymathlab.com/get-registered for helpful videos, FAQs, System Requirements
- Or, visit their 24/7 Technical Support site at <http://247pearsoned.custhelp.com>.

Course Schedule

Week of	Suggested guideline as to what you should be working on during the week listed. Please complete in the order shown.
8/25	<ul style="list-style-type: none"> Go to Start Here (on the left side of the screen) in Blackboard: Read the Syllabus, Schedule. Send the instructor an email indicating that you have successfully logged into the course and have read the syllabus. Read MyMathLab Login Instructions and log in to MyMathLab. Explore! Read Section 2A in the textbook or eText Complete Section 2A Homework (in MyMathLab under Homework)
9/1	<ul style="list-style-type: none"> Read Section 2B in the textbook or eText Complete Section 2B Homework (in MyMathLab under Homework) Read Section 3A in the textbook or eText Complete Section 3A Homework (in MyMathLab under Homework)
	<ul style="list-style-type: none"> Do: CT Assignment – To Be Announced (TBA)
9/8	<ul style="list-style-type: none"> Read Section 3B in the textbook or eText Complete Section 3B Homework (in MyMathLab under Homework) Read Section 3C in the textbook or eText Complete Section 3C Homework (in MyMathLab under Homework)
	<ul style="list-style-type: none"> Do: CT Assignment - TBA
9/15	<ul style="list-style-type: none"> Complete Module 1 Practice Exam (under Module Exams) to determine if you've mastered the material. Note: This is just for practice, not for a grade. Module 1 Exam (in MyMathLab under Quizzes & Tests), CT Activities, Review Quiz and homework – due date Monday, September 15th at 11:59 p.m.
	<ul style="list-style-type: none"> Read Section 4B in the textbook or eText Complete Section 4B Homework (in MyMathLab under Homework) Read Section 4C in the textbook or eText Complete Section 4C Homework (in MyMathLab under Homework)
9/22	<ul style="list-style-type: none"> Read Section 4D in the textbook or eText Complete Section 4D Homework (in MyMathLab under Homework) Read Section 4E in the textbook or eText Complete Section 4E Homework (in MyMathLab under Homework)
	<ul style="list-style-type: none"> Do: CT Assignment TBA
9/29	<ul style="list-style-type: none"> Read Section 5C in the textbook or eText Complete Section 5C Homework
	<ul style="list-style-type: none"> Do: CT Assignment - TBA
10/6	<ul style="list-style-type: none"> Complete Module 2 Practice Exam (under Module Exams) to determine if you've mastered the material. Note: This is just for practice, not for a grade. Module 2 Exam in (in MyMathLab under Quizzes & Tests), CT Activities, Review Quiz and homework - due date Monday, October 6th at 11:59 p.m.
	<ul style="list-style-type: none"> Read Section 6A in the textbook or eText Complete Section 6A Homework (in MyMathLab under Homework)

10/13	<ul style="list-style-type: none"> • Read Section 6B in the textbook or eText • Complete Section 6B Homework (in MyMathLab under Homework) • Read Section 6C • Complete Section 6C Homework (in MyMathLab under Homework)
10/20	<ul style="list-style-type: none"> • Read Section 7A • Complete Section 7A Homework (in MyMathLab under Homework) • Read Section 7B • Complete Section 7B Homework (in MyMathLab under Homework)
10/27	<ul style="list-style-type: none"> • Do: CT Assignment - TBA • Read Section 7E • Complete Section 7E Homework (in MyMathLab under Homework)
11/3	<ul style="list-style-type: none"> • Complete Module 3 Practice Exam (under Module Exams) to determine if you've mastered the material. Note: This is just for practice, not for a grade. • Module 3 Exam in (in MyMathLab under Quizzes & Tests), CT Activities, Review Quiz and homework – due date Monday, November 3rd at 11:59 p.m.
	<ul style="list-style-type: none"> • Read Section 8A • Complete Section 8A Homework (in MyMathLab under Homework) • Read Section 8B • Complete Section 8B Homework (in MyMathLab under Homework) •
11/17	<ul style="list-style-type: none"> • Read Section 1A • Complete Section 1A Homework (in MyMathLab under Homework) • Read Section 1B • Complete Section 1B Homework (in MyMathLab under Homework)
11/24	<ul style="list-style-type: none"> • Happy Thanksgiving!
12/1	<ul style="list-style-type: none"> • Read Section 1D • Complete Section 1D Homework (in MyMathLab under Homework)
	<ul style="list-style-type: none"> • Complete Module 4 Practice Exam (under Module Exams) to determine if you've mastered the material. Note: This is just for practice, not for a grade. • Module 4 Exam in MyMathLab (in MyMathLab under Quizzes & Tests), CT Activities, Review Quiz and homework – due date Monday, December 1st at 11:59 p.m. (Note: there are no CT Activities assigned in this module.)
12/8	<ul style="list-style-type: none"> • Final Exam must be completed by Monday, Dec 8th at 11:59 p.m.