Marshall University Syllabus

Course Title/Number	MTH 121 – 213 Concepts and Applications (Quantways) CRN: 4261
Semester/Year	Spring 2014
Days/Time	5:00 – 6:15 TR
Location	CH 436
Instructor	Laura L. Stapleton
Office	Smith Hall 311B
Phone	304-696-4334
E-Mail	stapleto@marshall.edu
Office/Hours	10:00 – 11:00 MW; 1:00 – 2:00 T; 1:00 – 3:00 R
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be going to <u>www.marshall.edu/academic-affairs</u> and clicking on "Marshall University Policies." Or, you can access the policies directly by going to <u>http://www.marshall.edu/academic-affairs/?page_id=802</u>
	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

Course Description: From Catalog

A quantitative reasoning skills course for non-science majors, this course meets a Core I/Critical Thinking requirement and a Core II/Social Sciences requirement. Topics include logical thinking, problem solving strategies, beginning statistics and probability, exponential and logarithms modeling, formula use, with basic algebra review. 4 hrs. PR: ACT Math 17 - 18, OR permission of University College.

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	Homework, Group work, in-class	Homework and exams	
problems using unit analysis.	discussions, Chapter reviews		
Students will interpret and analyze	Homework, Group work, in-class	Homework and exams	
numbers that they will encounter in	discussions, Chapter reviews		
the real world.			
Students will demonstrate a	Homework, Group work, in-class	Homework and exams	
proficiency in utilizing formulas from	discussions, Chapter reviews		
basic financial concepts such as loan			
payments, credit cards, and			
mortgages.			
Students will interpret and analyze	Homework, Group work, in-class	Homework and exams	
statistical studies.	discussions, Chapter reviews		
Students will analyze and interpret	Homework, Group work, in-class	Homework and exams	
statistical concepts such as measures	discussions, Chapter reviews		
of central tendency, measures of			

variation, and normal distributions.		
Students will compare linear growth	Homework, Group work, in-class	Homework and exams
and exponential growth rates and	discussions, Chapter reviews	
their real-world applications.		
Students will demonstrate a	Homework, Group work, in-class	Homework and exams
proficiency in the fundamentals of	discussions, Chapter reviews	
probability including expected value.		
Students will demonstrate an ability to	Homework, Group work, in-class	Homework and exams
analyze arguments and construct	discussions, Chapter reviews	
fallacies.		

Required Texts, Additional Reading, and Other Materials

- 1. TEXTBOOK COMPONENT: The textbook is a free resource to you and will be provided during the first or second week.
- 2. Scientific Calculator
- 3. Notebook
- 4. Access to a computer with Internet Access

Course Requirements / Due Dates

- 1. Exam 1 (Chapters 2 3) week of Feb 3, 2014.
- 2. Exam 2 (Chapters 4 5) week of Mar 3, 2014.
- 3. Exam 3 (Chapters 6 7) week of Apr 7, 2014.
- 4. Module 4 (Chapters 1 and 8) week of Apr 28, 2014.
- 5. The Final (Chapters 1 8) is to be completed by May 5, 2014 at 5:00 pm 7:00 pm.

Note: All dates (except the Final) are tentative and subject to change.

Attendance Policy

ATTENDANCE: Students are expected to attend each class. Attendance is taken by daily "sign-in" sheets. If you do not sign, then you will be counted as absent; and this "absence" cannot be corrected after the class has dispersed for the day. Unexcused absences from **two classes** will result in a reduction of one letter grade for the semester; unexcused absences from **four or more** classes will result in an F.

To obtain an excused absence, please go to the Dean of Student Affairs Office in the MSC. Students must notify the instructor by phone or e-mail prior to an exam if they cannot take a scheduled exam. Students must present a serious reason for missing any exam (illness with a doctor's excuse, death in the family, university excused absence, etc.). Makeup exams (with excused absences) will be given to students during the last week of the semester at the convenience of the instructor.

Grading Policy

Category	% of Grad
In-Class Exams (4 @ 10% each)	40%
Comprehensive Final Exam	25%
Online Homework Tool	25%
Classroom Activities	5%
Attendance/Participation	5%
Total	100%

QUANTWAY: MyQuantway.org is a free online homework tool that we will use during the class. Students are required to have access to a computer and internet outside of class.

CLASSROOM ETIQUETTE: During class, cell phones must be turned off and out of sight. <u>Any student seen</u> <u>using, viewing or texting on their cell phone will result in a pop quiz for the entire class.</u> Please make the instructor aware ahead of time if you need access to these devices.

CALCULATOR: A calculator should be used only when you are instructed to do so. The TI-83/TI-83 plus or similar graphing calculator is recommended for students continuing into MTH 225 and other higher level courses. A scientific calculator is recommended for students continuing into MTH 121. Students <u>may not</u> utilize cell phones as calculators during tests.

FINAL EXAM: The final will be comprehensive and will be administered during exam week on Monday, May 5, 2014 at 5:00 pm – 7:00 pm.

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

Week of:	Tuesday	Thursday		
Jan 13 th	Syllabus, 5.1	5.2		
Jan 20 th	5.3	5.4		
Jan 27 th	5.6	5.7		
Feb 3 rd	5.8	5.9		
Feb 10 th	5.10	Module 5 Exam		
Feb 17 th	6.1	6.2		
Feb 24 th	6.3	6.4		
Mar 3 rd	6.6	6.6		
Mar 10 th	6.7	6.8		
Mar 17 th	Spring Break			
Mar 24 th	6.9	Module 6 Exam		
Mar 31 st	7.1, 7.2	7.2, 7.3		
Apr 7 th	7.3, 7.4	7.4, 7.6		
Apr 14 th	7.7	Module 7 Exam		
Apr 21 st	8.1, 8.2	8.2, 8.3		
Apr 28 th	8.3, 8.4	Module 8 Exam		

SCHEDULE (Subject to Change):