

Marshall University
Syllabus

Course Title/Number	Concepts and Applications-Expanded (CT)/MTH 121B-109/CRN: 3104
Semester/Year	Fall 2017
Days/Time	MTWR 12-1250
Location	SH 336
Instructor	Jessica Johnson
Office	SH 526B
Phone	(304) 696-6663
E-Mail	briscoe7@live.marshall.edu
Office/Hours	10-11 MWF, 2-3 MW, 9-10 T
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." You can also access these policies directly by going to www.marshall.edu/academic-affairs/policies/. Academic Dishonesty/Excused Absence Policy for Undergraduates/Dead Week/Students with Disabilities/Academic Forgiveness/Academic Probation and Suspension/Academic Rights and Responsibilities of Students/Affirmative Action/Sexual Harassment.</p> <p>Academic Dishonesty: If a student behaves academically dishonest in any way, i.e. copying/turning in another's work or cheating on quizzes or exams, I reserve the right to fail the individual. The behavior may be reported to the department chair and/or dean of the college and could result in expulsion from the university. Please refer to your handbook for further details.</p> <p>Disabilities and/or Special Needs: If any students have a disability and/or special need that interferes with their involvement in the classroom, they must see the Office of Disability Services, Prichard Hall 117, phone (304) 696-2271. Appropriate accommodations can then be made.</p> <p>Inclement Weather Policy: Students can find information concerning Marshall's policy regarding inclement weather on pp. 64-65 of the 2010-2011 undergraduate online catalog www.marshall.edu/catalog/undergraduate/ug_10-11_published.pdf.</p>

Course Description (from catalog):

A quantitative reasoning skills course for non-science majors. Topics include logical thinking, problem solving strategies, beginning statistics and probability, exponential and logarithms modeling, formula use, with basic algebra review. PR: ACT Math 17-18 or MTH100. 4 Credit Hours

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

Course Outcomes	TLAs (How Practiced?)	Resources	Assessments
1. Communication Fluency - Students will develop cohesive oral, written, and visual communications tailored to specific audiences.	Students will complete a draft of a budget for themselves.	Textbook and Calculator	Students will complete a Budget Project
2. Inquiry Based Thinking - Students will formulate focused questions and hypotheses, evaluate existing knowledge, collect and analyze data, and draw justifiable conclusions.	Students will complete a draft of a budget for themselves.	Textbook and Calculator	Students will complete a Budget Project
3. Integrative Thinking - Students will make connections and transfer skills and learning among varied disciplines, domains of thinking, experiences, and situations.	Students are assigned homework containing word problems from different disciplines.	Textbook and Calculator	Students will be assessed using three exams and a final.
4. Metacognitive Thinking - Students will evaluate the effectiveness of a project plan or strategy to determine the degree of their improvement in knowledge and skills.	Students are assigned homework and allowed to correct their homework as needed. Students will take short quizzes.	Textbook and Calculator	Students will be assessed using three exams and a final.
5. Quantitative Thinking - Students will analyze real-world problems quantitatively, formulate plausible estimates, assess the validity of visual representations of quantitative information, and differentiate valid from questionable statistical conclusions.	Students are assigned homework with basic computational problems and word problems.	Textbook and Calculator	Students will be assessed using three exams and a final.

Required Texts, Additional Reading, and Other Materials

1. The required text is Using and Understand Mathematics: A Quantitative Reasoning Approach by Jeffrey Bennett and William Briggs, 6th Edition.
2. Students are required to have a scientific calculator with a y^x or x^y or $^$ key. However, most calculations can be done simply with a pencil and piece of paper.
3. Students must also have an MU computer account for email.

Course Requirements/Due Dates

All due dates can be found in the course schedule.

Grading Policy

Student Assessment: Students will be assessed using various methods, such as assigned homework and exams. Homework will be due after the completion of each chapter. Late homework will only be accepted for one week after the initial due date. It will be graded and returned promptly for the students' review before each test. There will be a total of three exams and a final.

Grading Scale: 100%-90%	A
89%-80%	B
79%-70%	C
69%-60%	D
59% and below	F

Note: Please note that an incomplete cannot be given unless the student completes 75% of the course

Attendance Policy

Attendance will not be taken, but students are strongly urged to attend since points may be lost by not turning in assignments and/or missing exams. Tests and assignments can only be turned in and/or made up if the student is present or has a university excused absence. Please consult your handbook for excused absences and the required documentation for excuses.

When in attendance I expect each student to behave respectfully. You must not only have respect for me, but respect for your fellow classmates as well. If your actions become disruptive or distracting for me or another student, you will be asked to cease your behavior. If you choose to continue, you will be asked to leave. Disruptive behavior may include, but are not limited to the following: cell phone use in class, talking during class, and the use of iPods or MP3 players during class.

Tutoring Services

Tutoring services are available in Smith Hall 625 daily. The schedule will be posted on the door after the first week of classes. I strongly suggest that you take advantage of this **FREE** service.

Course Schedule (tentative)

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Aug 21-25	Syllabus and Introductions Discuss Project	1B 1B Hmwk:15,29,31,32,37,49,52,55,57,65	Truth Table Activity	1C 1C Hmwk:13,19,25,33,35,39,43,53,59,63	
Aug 28-Sept 1	1D 1D Hmwk:19,20,23,27,29,31,33,35,37,49	Homework Questions	Ch 1 Hmwk Due 2A 2A Hmwk:13,14,15,17,19,21,23,25,39,41,45,53,63,69,75	2A cont.	
Sept 4-8	University Closed	2B 2B Hmwk:21,23,35,37,43,45,53,73,75,77	2C 2C Hmwk:7-15 odd	Develop Problem Solving Skills Activity	
Sept 11-15	Homework Questions Skill Quiz #1	Review	Test 1 Ch 2 Hmwk Due	3A 3A Hmwk:17,19,21,33,35,49,51,53,69,71,75,95,97,99,107	
Sept 18-22	3B 3B Hmwk:15,16,17,19,20,27,49,51,53,55	3C 3C Hmwk:15-33 odd	Homework Questions Skill Quiz #2	Ch 3 Hmwk Due 4A 4A Hmwk:21,23,25,27,31,33,41,45,51,57	
Sept 25-29	4B 4B Hmwk:17,19,21,33,45,55,63,65,67,69,71,75,85,87,89	4B cont.	4C 4C Hmwk:15-33 odd	4D 4D Hmwk:15,17,19,21,23,27,29,33,37,39	
Oct 2-6	Homework Questions Skill Quiz #3	Review	Test 2 Ch 4 Hmwk Due	Project Due 5A 5A Hmwk:15,17,27,29,31,33,35,37,47,49	
Oct 9-13	Midterm Grades Due 5B 5B Hmwk:9-27 odd	5C 5C Hmwk:15-33 odd	5C cont.	5E 5E Hmwk:13,15,25,27	
Oct 16-20	Homework Questions	Ch 5 Hmwk Due 6A 6A Hmwk:13-31 odd	6B 6B Hmwk:15,17,27	6B cont.	
Oct 23-27	6C 6C Hmwk:19,21,23,25,29,31,33,37,41,43	6D 6D Hmwk:15,17,19,21,25,27,29,33,35,39	Homework Questions	Ch 6 Hmwk Due 7A 7A Hmwk:15,19,21,23,25,27,31,35,37,47	Last Day to Drop
Oct 30-Nov 3	Monty Hall Activity	7B 7B Hmwk: 13-31 odd	7C 7C Hmwk:13-31 odd	7C cont.	
Nov 6-10	7E 7E Hmwk: 15-33 odd	Homework Questions Skill Quiz #4	Review	Test 3 Ch 7 Hmwk Due	
Nov 13-17	8A 8A Hmwk: 9-27 odd	8B 8B Hmwk:23,24,25,27,41,43	8C 8C Hmwk: 13-31 odd	Homework Questions Skill Quiz #5	
Nov 20-24	Fall Break University closed	Fall Break University closed	Fall Break University Closed	Fall Break University Closed	Fall Break University Closed
Nov 27-Dec 1	Ch 8 Hmwk Due 9A 9A Hmwk: 9,10,25,27,31,35	9B 9B Hmwk: 11,13,15,21,23,29,35,37,39,41	9C 9C Hmwk: 11,13,19,23,25,27,29,31,33,39	Homework Questions Skill Quiz #6	
Dec 4-8	Ch 9 Hmwk Due Dead Week Review	Dead Week Review	Dead Week Review	Dead Week Review	Dead Week Review
Dec 11-15					Final 1015-1215

