

**Marshall University
Syllabus**

Course Title/Number	Precalculus with Science Applications/MTH 132-104/CRN: 3156
Semester/Year	Fall 2017
Days/Time	MTWRF 1-150 am
Location	WAEC 3121
Instructor	Jessica Johnson
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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):

Functions used in calculus including polynomial, rational, exponential, logarithmic, and trigonometric. Systems of equations and inequalities, conic sections, polar and parametric equations, sequences and series, and Binomial Theorem. PR: ACT Math 24 or SAT Math 560, or a grade of C or higher in MTH 127 or MTH 130. 5 Credit Hours.

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 student will practice each outcome in this course	How student achievement of each outcome will be assessed in this course
Students will further develop algebraic skills (ex. solving equations), which are essential in calculus.	Students will practice this outcome by doing homework and in class activities.	Students will be assessed on this outcome using quizzes and tests.
Students will learn about trigonometric functions and their applications with an intent for calculus.	Students will practice this outcome by doing homework and in class activities.	Students will be assessed on this outcome using quizzes and tests.
Students will learn about the functions which are used in calculus (ex. graphing and other properties).	Students will practice this outcome by doing homework and in class activities.	Students will be assessed on this outcome using quizzes and tests.
Students will learn which functions are appropriate for modeling different types of growth and change.	Students will practice this outcome by doing homework and in class activities.	Students will be assessed on this outcome using quizzes and tests.

Required Texts, Additional Reading, and Other Materials

1. The required text is Algebra and Trigonometry by James Stewart, 4th Edition.
2. A graphing calculator is required for this course. I suggest either a TI-84 or a TI-Nspire.
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 four 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	Ch P & 1.1 Ch P Hmwk pg 76: 53, 55,59,63,77,89,93, 95,109,111 <u>1.1 Hmwk</u> :21,23,25, 27,29,31,33,39,41,43	1.2 & 1.3 <u>1.2 Hmwk</u> :9,11,49,51, 73,75,91,93,95,97 <u>1.3 Hmwk</u> :23,27,31, 33,35,37,40,43,59,67	1.4 & 1.5 <u>1.4 Hmwk</u> :5,9,17,19, 27,33,37,47,49,57 <u>1.5 Hmwk</u> :19,29,33, 41,49,53,61,63,65,67	1.6 & 1.7 <u>1.6 Hmwk</u> :7,13,21,23, 25,31,37,43,49,59 <u>1.7 Hmwk</u> :13,17,25,27, 33,39,47,55,57,59
Aug 28-Sept 1	1.8 <u>1.8 Hmwk</u> :5,9,13,15, 17,27,29,31,33,39	Homework Day	Ch 1 Hmwk Due 2.1 <u>2.1 Hmwk</u> :19,21,25, 31,33,43,47,55,57,59	2.2 & 2.3 <u>2.2 Hmwk</u> :33-45 odd, 51,53,55 <u>2.3 Hmwk</u> :7,9,13,15,21, 31,33,43,45,47	2.4 & 2.6 <u>2.4 Hmwk</u> :7,9,11,13,15, 17,19,21,23,25 <u>2.6 Hmwk</u> :29-43 odd, 83,85
Sept 4-8	University Closed	2.7 & 2.8 <u>2.7 Hmwk</u> :11,15,27, 29,33,47,49,51,53,55 <u>2.8 Hmwk</u> :13,17,25, 37,51,53,55,57,85,87	Homework Day	Ch 2 Hmwk Due 3.1 <u>3.1 Hmwk</u> :9,11,13,15, 17,25,27,29,47,51	3.2 <u>3.2 Hmwk</u> :5-19 odd,51, 53
Sept 11-15	3.3 & 3.4 <u>3.3 Hmwk</u> :15,17,19,21, 25,27,29,39,53,55 <u>3.4 Hmwk</u> :11,13,15,17, 29,31,45,47,49,65	3.5 <u>3.5 Hmwk</u> :27,37,39, 47-59 odd	3.6 <u>3.6 Hmwk</u> :21,31,33, 35,37,43,45,57,63,73	3.7 <u>3.7 Hmwk</u> :3,5,7,9,11, 17,19,21,23,25	Homework Day
Sept 18-22	Ch 3 Hmwk Due Review	Test 1	4.1 & 4.2 <u>4.1 Hmwk</u> :7,9,11,13, 21,23,27,29,31,33 <u>4.2 Hmwk</u> :3-15 odd, 23,27,29	4.3 & 4.4 <u>4.3 Hmwk</u> :25,27,29, 35,37,39,49,51,61,65 <u>4.4 Hmwk</u> :23,33,35, 37,39,49,51,53,55,57	4.5 <u>4.5 Hmwk</u> :3,21,23,35, 39,49,51,59,63,67
Sept 25-29	Homework Day	Ch 4 Hmwk Due 5.1 and Unit Circle <u>5.1 Hmwk</u> :5,9,17,19, 31,35,37,53,55,63	5.2 <u>5.2 Hmwk</u> :3,5,15,17, 23,29,31,33,37,39	5.3 & 5.4 <u>5.3 Hmwk</u> :13,17,25, 27,37,39,47,49,51,53 <u>5.4 Hmwk</u> :5,7,9,17,19, 23,25,27,39,43	5.5 <u>5.5 Hmwk</u> :9-23 odd,31, 33
Oct 2-6	5.6 <u>5.6 Hmwk</u> :11,13,15,17, 19,27,29,31,39,51	Homework Day	Ch 5 Hmwk Due 6.2 & 6.3 <u>6.2 Hmwk</u> :5,7,63-77 odd <u>6.3 Hmwk</u> :5,19,23,31, 33,35,37,47,49,51	6.4 <u>6.4 Hmwk</u> :9,11,19,23, 29,31,35,37,39,41	6.5 <u>6.5 Hmwk</u> :3-21 odd
Oct 9-13	Midterm Grades Due Homework Day	Ch 6 Hmwk Due Review	Test 2	7.1 <u>7.1 Hmwk</u> :3,7,13,15, 17,37,45,51,55,65	7.2 <u>7.2 Hmwk</u> :3,5,15,17, 21,25,27,29,31,33
Oct 16-20	7.3 <u>7.3 Hmwk</u> :73-91 odd	7.4 <u>7.4 Hmwk</u> :5,7,25,27, 29,39,41,43,45,47	7.5 <u>7.5 Hmwk</u> :3,5,17,23, 31,33,39,43,47,53	Homework Day	Ch 7 Hmwk Due 8.1 & 8.2 <u>8.1 Hmwk</u> :5,9,29,31, 37,39,45,47,51,55 <u>8.2 Hmwk</u> :3,5,7,23-35 odd
Oct 23-27	8.3 <u>8.3 Hmwk</u> :29,31,33, 49,51,57,59,65,67,77	8.4 <u>8.4 Hmwk</u> :3-17 odd, 39,41	Homework Day	Ch 8 Hmwk Due 9.1 <u>9.1 Hmwk</u> :13,15,17, 27,31,37,41,43,47,49	Last Day to Drop 9.2 <u>9.2 Hmwk</u> :5-23 odd
Oct 30-Nov 3	Homework Day	Ch 9 Hmwk Due Review	Test 3	10.1 <u>10.1 Hmwk</u> :5,7,9,11, 13,21,23,25,27,29	10.2 <u>10.2 Hmwk</u> :17-35 odd
Nov 6-10	10.3 <u>10.3 Hmwk</u> :13-25 odd, 37,41,43	10.5 <u>10.5 Hmwk</u> :31-49 odd	Homework Day	Ch 10 Hmwk Due 11.1 <u>11.1 Hmwk</u> :39-57 odd	11.2 <u>11.2 Hmwk</u> :9-27 odd
Nov 13-17	11.4 <u>11.4 Hmwk</u> :5-13 odd, 21-29 odd	11.3 <u>11.3 Hmwk</u> :11-19 odd,39-47 odd	Homework Day	Ch 11 Hmwk Due 13.1 <u>13.1 Hmwk</u> :3,5,15,17, 27,29,31,47,53,67	13.2 <u>13.2 Hmwk</u> :7,11,13, 27,33,35,37,51,53,55
Nov 20-24	Fall Break University closed	Fall Break University closed	Fall Break University Closed	Fall Break University Closed	Fall Break University Closed

Nov27- Dec 1	13.3 <u>13.3</u> Hmwk:5,9,11,23, 29,59,61,63,65,69	13.6 <u>13.6</u> Hmwk:5,7,9,11, 17,19,21,25,29,33	Homework Day	Ch 13 Hmwk Due Review	Test 4
Dec 4-8	Dead Week Review	Dead Week Review	Dead Week Review	Dead Week Review	Dead Week Review
Dec 11- 15					Final 1245-245