

**Marshall University
Syllabus**

Course Title/Number	Precalculus with Science Applications/MTH 132-203/CRN: 3937
Semester/Year	Spring 2018
Days/Time	MTWRF 11-1150 am
Location	WAEC 3119
Instructor	Jessica Johnson
Office	SH 526B
Phone	(304) 696-6663
E-Mail	briscoe7@live.marshall.edu
Office/Hours	MTWR 9-1030am
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: Policy for Students with Disabilities: Marshall University is committed to equal opportunity education for all students, including those with physical, learning and psychological disabilities. University policy states that it is the responsibility of students with disabilities to contact the Office of Disability Services (ODS) in Prichard Hall 117 (304.696.2467) to provide documentation of their disability. Following this, the ODS Coordinator will send a letter to each of the student's instructors outlining the academic accommodation he/she will need to ensure equality in classroom experience, outside assignment, testing, and grading. The instructor and student will meet to discuss how the accommodation(s) requested will be provided. For more information, access the website for the Office of Disabled Student Services: http://www.marshall.edu/disabled.</p>

	Inclement Weather Policy: Students can find information concerning Marshall's policy regarding inclement weather by following the link http://www.marshall.edu/academic-affairs/policies/#InclementWeather .
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Course Description (from catalog):

<p>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.</p>

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

<ol style="list-style-type: none"> 1. The required text is <u>Algebra and Trigonometry</u> 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

<p>All due dates can be found in the course schedule.</p>

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. Information and the schedule can also be found by following the link <http://www.marshall.edu/math/tutoring/>. I strongly suggest that you take advantage of this **FREE** service.

Course Schedule (tentative)

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Jan 8-12	Syllabus and Introductions	Ch P & 1.1 <u>Ch P Hmwk</u> 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
Jan 15-19	University Closed	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
Jan 22-26	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	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
Jan 29-Feb 2	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
Feb 5-9	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
Feb 12-16	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
Feb 19-23	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
Feb 26-Mar 2	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
Mar 5-9	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
Mar 12-16	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
Mar 19-23	Spring Break University closed	Spring Break University closed	Spring Break University closed	Spring Break University closed	Spring Break University closed
Mar 26-30	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
Apr 2-6	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
Apr 9-13	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

Apr 16-20	13.3 13.3 Hmwk:5,9,11,23,29,59,61,63,65,69	13.6 13.6 Hmwk:5,7,9,11,17,19,21,25,29,33	Homework Day	Ch 13 Hmwk Due Review	Test 4
Apr 23-27	Dead Week Review	Dead Week Review	Dead Week Review	Dead Week Review	Dead Week Review
Apr 30-May 4		Final 1015-1215			