

MATHEMATICS (SO CAMPUS) (MA)

Mathematics courses numbered below 136 are not applicable toward a major or minor in mathematics. A student who has earned credit for the listed course with a grade of "C" or better may not subsequently receive credit for the courses following in parentheses: MATH 116/MATH 123 (MATH 115); MATH 117 (MATH 115 and 116/123); MATH 118 (MATH 115, 116 and 117), MATH 119 (MATH 115, 116/123, and 118), MATH 136 (MATH 115, 116/123, 117, 118, and 119); MATH 137 (MATH 115, 116/123, 117, 118, 119, and 136); MATH 310 (MATH 109); MATH 382 (MATH 109 and 183); STAT 301 (MATH 109 and 183). Students may only take the courses MA TH 116 and MA TH 123 for a total of three graded attempts.

MA 109C General Mathematics 3 Hours

Terminal course for non-science majors suggested for the student who has satisfactorily completed minimum high school mathematics requirements and needs no further work in algebra. Topics include sets, introduction to probability and statistics, geometry, and consumer mathematics. **Colonnade/Statewide General Education Code F-QR | QR**
Equivalent(s): MATH 109

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MA 115C Applied College Algebra 3 Hours

Intended primarily for students who are not majoring in a scientific or technical field; not intended for students whose curriculum requires trigonometry or calculus. Emphasis is on real-world problems that involve reading, writing, calculating, synthesizing, and clearly reporting results. Topics include linear, quadratic, exponential and logarithmic functions, and systems of equations. (Graphing calculator required). **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (ACT Math with a score of 20 or SAT Mathematics Score with a score of 540 or MPE - Algebra with a score of 12 or KYOTE College Algebra with a score of 12 or Math 105 PreReq MATH115/116C or HS GPA Transcript with a score of 3.0) or (HS GPA Transcript with a score of 2.0 and MATH 105 (may be taken concurrently))

Equivalent(s): MATH 115

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; summer 2022; fall 2022

MA 116C College Algebra 3 Hours

Graphing and problem solving are integrated throughout the study of polynomial, absolute value, rational, radical, exponential, and logarithmic functions. (Graphing calculator required.) Note: High school Algebra I and II may be required. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (MPE - Algebra with a score of 12 or SAT Mathematics Score with a score of 540 or ACT Math with a score of 20 or KYOTE College Algebra with a score of 12 or Math 105 PreReq MATH115/116C or HS GPA Transcript with a score of 3.0) or (HS GPA Transcript with a score of 2.0 and MATH 105 (may be taken concurrently))

Equivalent(s): MATH 116

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

MA 117C Trigonometry 3 Hours

Unit circle; trigonometric functions and graphs; trigonometric identities and equations; right triangle trigonometry; laws of sines and cosines; DeMoivres Theorem; vectors and applications of trigonometry. (Graphing calculator required.) Note: Four years of high school mathematics including Algebra I and II and geometry may be required. **Colonnade/Statewide General Education Code F-QR | QR**

Prerequisite(s): (MATH 116 with a minimum grade of C or MA 116C with a minimum grade of C)

Equivalent(s): MATH 117

Recent Term(s) Offered: None