

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
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Math**MATH 020 Arithmetic Fundamentals****1 Units**

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

The four basic operations of arithmetic on whole numbers, fractions, and decimals, with applications. Ratios, proportions, and percents with applications.

This course will be offered on a Pass/No Pass basis only. 54 lab hours.

21852	Odrich, S.	MW	09:55 AM-11:20 AM	MA 127	08/23-12/14
21215	Odrich, S.	MW	11:30 AM-12:55 PM	MA 127	08/23-12/14
21212	Odrich, S.	MW	01:05 PM-02:30 PM	MA 127	08/23-12/14
21209	Odrich, S.	MW	03:50 PM-05:15 PM	MA 127	08/23-12/14
21211	Odrich, S.	MW	07:00 PM-08:25 PM	MA 127	08/23-12/14
21855	Odrich, S.	TR	09:55 AM-11:20 AM	MA 127	08/23-12/14
21216	Odrich, S.	TR	11:30 AM-12:55 PM	MA 127	08/23-12/14
21213	Odrich, S.	TR	01:05 PM-02:30 PM	MA 127	08/23-12/14
21214	Odrich, S.	TR	03:50 PM-05:15 PM	MA 127	08/23-12/14
21217	Odrich, S.	TR	07:00 PM-08:25 PM	MA 127	08/23-12/14

MATH 029 Pre-Algebra**4 Units**

Prerequisite: Placement is based on multiple assessment measures or successful completion of MATH 020.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course is designed to prepare a student for Elementary Algebra. Topics include a review of arithmetic, a study of signed numbers, an introduction to fundamental algebraic concepts, solving equations, and solving applied problems. 72 lecture hours. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION.

21562	Low, J.	MTWR	08:00 AM-09:10 AM	MA 230	08/23-11/28
20641	Dominguez, V.	MTWR	08:00 AM-09:10 AM	MA 230	08/23-11/28
LEARNING COMMUNITIES CLASS: Requires enrollment in SOC 201 CRN 20387.					
21559	Low, J.	MTWR	09:25 AM-10:35 AM	MA 230	08/23-11/28
20643	Berberyan, T.	MTWR	09:55 AM-11:05 AM	MA 223	08/23-11/28
21563	Low, J.	MTWR	10:50 AM-12:00 PM	MA 230	08/23-11/28
21023	Berberyan, T.	MTWR	11:30 AM-12:40 PM	MA 223	08/23-11/28
21540	Dominguez, V.	MTWR	01:05 PM-03:15 PM	MA 109	08/23-10/19
FAST TRACK CLASS - First 8 weeks					
LEARNING COMMUNITIES CLASS: Requires enrollment in MATH 030 CRN 21581 and ENGL 099 CRN 21142.					
21541	Gonzalez, R.	MTWR	01:05 PM-03:15 PM	MA 223	08/23-10/19
First Eight Weeks.					
21567	Reagan, D.	MW	08:20 AM-10:45 AM	PS 106	09/09-12/14
Late Start Class.					
21566	Reagan, D.	MW	10:55 AM-01:20 PM	PS 106	09/09-12/14
Late Start Class.					
20132	Paek, H.	MW	04:35 PM-06:40 PM	MA 125	08/23-12/14
20142	Scott, C.	MW	04:45 PM-06:50 PM	MA 223	08/23-12/14
20126	Ogimachi, T.	MW	05:25 PM-07:30 PM	MA 108	08/23-12/14
21564	Ogimachi, T.	MW	07:45 PM-09:50 PM	MA 108	08/23-12/14
20146	Scott, C.	TR	10:45 AM-12:50 PM	P3 105	08/23-12/14
20125	Paek, H.	TR	04:10 PM-06:15 PM	MA 125	08/23-12/14
20157	Kassab, M.	TR	05:25 PM-07:30 PM	MA 223	08/23-12/14

MATH 030 Elementary Algebra**4 Units**

Prerequisite: Placement is based on multiple assessment measures or completion of MATH 029 with min. grade of C.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Fundamental operations with polynomials and rational expressions, products and factoring, linear and quadratic equations in one variable, inequalities, exponents, radicals, graphing linear equations, systems of equations, applications and introduction to functions. 90 lecture hours.

21580	Medrano, E.	MTWR	08:00 AM-10:35 AM	MA 222	08/23-10/19
First Eight Weeks - Fast Track Class.; Requires enrollment in Math 150 CRN 21592					
21579	Gutierrez, J.	MTWR	08:20 AM-10:55 AM	MA 206	08/23-10/19
First Eight Weeks - Fast Track Class.; Requires enrollment in Math 150 CRN 21593					
Strongly Recommended for Veterans					
21427	Chun, M.	MTWR	08:20 AM-09:30 AM	LB 105	08/23-12/14

21415	Trad, M.	MTWR	08:25 AM-09:35 AM	MA 125	08/23-12/14
21420	Gong, C.	MTWR	10:00 AM-11:10 AM	MA 126	08/23-12/14
21418	Trad, M.	MTWR	10:00 AM-11:10 AM	MA 124	08/23-12/14
21430	Trad, M.	MTWR	11:30 AM-12:40 PM	MA 206	08/23-12/14
21422	Gong, C.	MTWR	11:40 AM-12:50 PM	MA 126	08/23-12/14
21581	Dominguez, V.	MTWR	01:05 PM-03:40 PM	MA 109	10/21-12/14

FAST TRACK - Second 8 weeks

LEARNING COMMUNITIES CLASS: Require enrollment in MATH 029 CRN 21540 and ENGL 099 CRN 21142.

21424	Swatzel, J.	MW	08:20 AM-10:50 AM	MA 108	08/23-12/14
21586	Tseng, K.	MW	10:50 AM-01:20 PM	P3 105	08/23-12/14
21413	Paek, H.	MW	01:05 PM-03:35 PM	MA 125	08/23-12/14
21423	Nguyen, T.	MW	01:05 PM-03:35 PM	PC 303	08/23-12/14
21874	Lloset, G.	MW	03:00 PM-05:30 PM	LB 207	08/23-12/14
21587	Nguyen, C.	MW	03:15 PM-05:45 PM	MA 230	08/23-12/14
21425	Nguyen, T.	MW	04:00 PM-06:30 PM	MA 206	08/23-12/14
21711	Gillotte, C.	MW	04:05 PM-06:35 PM	MA 222	08/23-12/14
21712	Manrique, M.	MW	05:25 PM-07:55 PM	LB 105	08/23-12/14
21426	Scott, C.	MW	07:00 PM-09:30 PM	LH 102	08/23-12/14
21416	Low, J.	TR	01:05 PM-03:35 PM	MA 222	08/23-12/14
21411	Leung, S.	TR	03:30 PM-06:00 PM	LB 105	08/23-12/14
21429	Pearsall, S.	TR	07:40 PM-10:10 PM	MA 108	08/23-12/14
21432	Trad, M.	HRS-ARRG			08/23-12/14
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de Students required to take exams on campus.					
21845	Manrique, M.	MW	02:40 PM-05:10 PM	LB 105	08/23-12/14

MATH 131 Plane Geometry**4 Units**

Prerequisite: MATH 030 or placement is based on multiple assessment measures.

A first course in geometry. Elementary logic, properties of geometric figures, parallel and perpendicular lines, ratio and proportion, congruence, area, and volume. 72 lecture hours.

21588	Tseng, K.	MTWR	07:30 AM-08:40 AM	MA 207	08/23-11/28
20334	Nguyen, C.	TR	03:40 PM-05:45 PM	MA 207	08/23-12/14

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MATH 150 Intermediate Algebra 5 Units

Prerequisite: MATH 030 or placement is based on multiple assessment measures.

Real number properties, first degree equations and inequalities, absolute value equations and inequalities, formulas, applications, exponents, polynomials, the binomial theorem, factoring, linear systems, functions, rational expressions, radicals, complex numbers, quadratic equations, conics, inverse functions, and exponential and logarithmic functions. 90 lecture hours. NOTE: THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH EITHER MATH 148 or 149. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150.

20397 Swan, A. MTWR 07:00 AM-08:10 AM MA 109 08/23-12/14

21592 Medrano, E. MTWR 08:00 AM-10:35 AM MA 222 10/21-12/14

Second Eight Weeks - Fast Track Class.; Requires enrollment in Math 030 CRN 21580

21593 Gutierrez, J. MTWR 08:20 AM-10:55 AM MA 206 10/21-12/14

Second Eight Weeks - Fast Track Class.; Requires enrollment in Math 030 CRN 21579

Strongly Recommended for Veterans

20470 White, S. MTWR 08:20 AM-09:30 AM MA 109 08/23-12/14

20448 White, S. MTWR 09:55 AM-11:05 AM MA 109 08/23-12/14

20688 Zhuang, Y. MTWR 11:20 AM-12:30 PM MA 124 08/23-12/14

20446 Swatzel, J. MTWR 11:30 AM-12:40 PM MA 108 08/23-12/14

Strongly Recommended for Veterans

20464 White, S. MTWR 11:45 AM-12:55 PM MA 109 08/23-12/14

21596 Kim, E. MW 07:15 AM-09:45 AM MA 126 08/23-12/14

20480 Stevenson, M. MW 01:05 PM-03:35 PM MA 222 08/23-12/14

20798 Zhuang, Y. MW 01:05 PM-03:35 PM MA 108 08/23-12/14

20459 Nguyenhuu, R. MW 01:05 PM-03:35 PM MA 124 08/23-12/14

20410 Gong, C. MW 01:30 PM-04:00 PM MA 126 08/23-12/14

21871 Cole, M. MW 03:45 PM-06:15 PM PC 303 08/23-12/14

20987 Swan, A. MW 04:10 PM-06:40 PM MA 126 08/23-12/14

21021 Nguyenhuu, R. MW 05:25 PM-07:55 PM MA 124 08/23-12/14

20468 Lei, L. MW 05:40 PM-08:10 PM MA 207 08/23-12/14

21594 Cheng, T. MW 07:00 PM-09:30 PM MA 126 08/23-12/14

20399 Kim, E. TR 07:15 AM-09:45 AM MA 126 08/23-12/14

20456 Everest, R. TR 08:50 AM-11:20 AM MA 207 08/23-12/14

20444 Nguyenhuu, R. TR 01:05 PM-03:35 PM PC 303 08/23-12/14

20473 Medrano, E. TR 01:05 PM-03:35 PM MA 207 08/23-12/14

20795 Everest, R. TR 01:05 PM-03:35 PM MA 206 08/23-12/14

20645 Nguyenhuu, R. TR 03:50 PM-06:20 PM MA 124 08/23-12/14

21595 Cheng, T. TR 06:00 PM-08:30 PM MA 207 08/23-12/14

21884 Lloset, G. MW 06:45 PM-09:15 PM MA 125 08/23-12/14

20986 Gutierrez, J. TR 07:00 PM-09:30 PM MA 109 08/23-12/14

21890 Scott, C. TR 05:50 PM-08:20 PM MA 126 08/23-12/14

20476 Swatzel, J. HRS-ARRG 08/23-12/14

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Students required to take exams on campus.

Mandatory orientation on campus.

20805 Trad, M. HRS-ARRG 08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

Students required to take exams on campus.

MATH 151 Plane Trigonometry 4 Units

Prerequisite: MATH 131 or high school Geometry, and MATH 149 or MATH 150 or placement is based on multiple assessment measures.

Functions, the trigonometric functions: their graphs and identities, laws of sines and cosines, solutions of triangles, trigonometric equations, inverse trigonometric functions, polar coordinates, DeMoivre's Theorem. 72 lecture hours. CSU

20484 Everest, R. MW 08:50 AM-10:55 AM MA 207 08/23-12/14

21257 Tippins, R. MW 09:55 AM-12:00 PM MA 125 08/23-12/14

20490 Tippins, R. MW 01:05 PM-03:10 PM MA 230 08/23-12/14

21713 Lei, L. MW 03:25 PM-05:30 PM MA 207 08/23-12/14

20492 Everest, R. TR 04:00 PM-06:05 PM MA 222 08/23-12/14

MATH 162 Introductory Mathematical Analysis 4 Units

Prerequisite: MATH 149 or 150 or placement is based on multiple assessment measures.

Concepts of function and limits: applied calculus emphasizing techniques of integration and differentiation with applications in social and life sciences, business administration, economics, and engineering technology. 72 lecture hours. CSU UC

21601 Jahani, F. TR 07:00 AM-09:05 AM PC 303 08/23-12/14

20495 Paek, H. TR 01:05 PM-03:10 PM MA 125 08/23-12/14

MATH 165 Introductory Statistics 4 Units

Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures.

Introductory course to statistics and probability, descriptive analysis, and presentation of data, hypothesis testing, statistical inference, normal curve, chi square, and applications in diverse disciplines. 72 lecture hours. CSU UC

21255 Gonzalez, R. MTWR 01:05 PM-03:10 PM MA 223 10/21-12/14

Late Start Class.

Fast Track Class.

20499 Swan, A. MW 09:15 AM-11:20 AM PC 303 08/23-12/14

20518 Dominguez, V. MW 09:40 AM-11:45 AM LB 105 08/23-12/14

20796 Anderson, B. MW 01:50 PM-03:55 PM MA 206 08/23-12/14

20513 Gonzalez, R. MW 04:40 PM-06:45 PM MA 109 08/23-12/14

21254 Swatzel, J. TR 08:20 AM-10:25 AM MA 108 08/23-12/14

20507 Swan, A. TR 09:15 AM-11:20 AM PC 303 08/23-12/14

20710 Zhuang, Y. TR 01:05 PM-03:10 PM MA 108 08/23-12/14

20735 Swan, A. TR 03:40 PM-05:45 PM MA 126 08/23-12/14

20847 Zhuang, Y. TR 05:25 PM-07:30 PM MA 206 08/23-12/14

20653 Tippins, R. HRS-ARRG 08/23-12/14

21602 Swatzel, J. HRS-ARRG 08/23-12/14

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Students required to take exams on campus.

Mandatory orientation on campus.

MATH 168 Mathematics for Elementary Teachers I 4 Units

Prerequisite: MATH 150 or placement is based on multiple assessment measures.

Course is designed for prospective elementary teachers. The course covers sets, logic, number systems, number theory and algebra functions. Techniques in instructional delivery explored. 72 lecture hours. CSU UC

21603 Gong, C. TR 01:30 PM-03:35 PM MA 126 08/23-12/14

MATH 170 College Algebra 4 Units

Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures.

Polynomial, rational, exponential, and logarithmic functions; matrices and determinants; theory of equations; analytic geometry, and mathematical induction. 72 lecture hours. CSU UC

20528 Chun, M. TR 09:55 AM-12:00 PM LB 105 08/23-12/14

20526 Leung, S. TR 06:30 PM-08:35 PM MA 124 08/23-12/14

20654 Tippins, R. HRS-ARRG 08/23-12/14

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MATH 175 Pre-Calculus 4 Units

Prerequisite: MATH 151 or placement is based on multiple assessment measures.

Preparation for calculus; polynomial, rational, exponential, logarithmic, and trigonometric functions; analytic geometry; mathematical induction. 72 lecture hours. CSU UC

21870 Cole, M. MW 10:45 AM-12:50 PM MA 222 08/23-12/14

21848 Gillotte, C. MW 06:45 PM-08:50 PM MA 222 08/23-12/14

20535 Tippins, R. TR 09:55 AM-12:00 PM MA 125 08/23-12/14

20533 Tippins, R. TR 01:05 PM-03:10 PM MA 230 08/23-12/14

20536 Scott, C. TR 03:15 PM-05:20 PM MA 108 08/23-12/14

MATH 190 Calculus with Analytic Geometry I 4 Units

Prerequisite: MATH 175 or placement is based on multiple assessment measures.

Introduction to differential and integral calculus with applications; functions; limits; and continuity; techniques of differentiation; exponential; logarithmic; and inverse trigonometric functions. 72 lecture hours. CSU UC

20992 Anderson, B. MW 11:00 AM-01:05 PM MA 207 08/23-12/14

20538 Gutierrez, J. MW 01:10 PM-03:15 PM MA 207 08/23-12/14

20544 Stevenson, M. TR 07:45 AM-09:50 AM MA 227 08/23-12/14

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MATH 191 Calculus with Analytic Geometry II 4 Units

Prerequisite: MATH 190.

Continuation of integral calculus with applications; techniques of integration; sequences and series; analytic geometry; plane curves; parametric equations; and polar coordinates. 72 lecture hours. CSU UC

20545	Anderson, B.	TR	01:05 PM-03:10 PM	MA 124	08/23-12/14
20547	Pearsall, S.	TR	05:25 PM-07:30 PM	MA 108	08/23-12/14

MATH 210 Calculus with Analytic Geometry III 4 Units

Prerequisite: MATH 191.

Vectors, calculus of functions of more than one variable, partial derivatives, multiple integration, vector calculus, Green's Theorem, Stokes' Theorem, and divergence theorem. 72 lecture hours. CSU UC

20549	Gonzalez, R.	TR	04:40 PM-06:45 PM	MA 230	08/23-12/14
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MATH 212 Introduction to Linear Algebra 4 Units

Prerequisite: MATH 191.

An introduction to linear algebra that complements coursework in calculus.

Topics include systems of linear equations, matrix operations, determinants, vectors and vector spaces, eigenvalues and eigenvectors and linear transformations. 72 lecture hours. CSU UC

20736	Gutierrez, J.	TR	03:45 PM-05:50 PM	MA 109	08/23-12/14
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