

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
Math						20410	Scott, C.	TR	07:00 PM-08:25 PM	ES 610	08/29-12/19
MATH 017 Basic Math and Study Skills											
3 Units											
This course focuses on building whole number arithmetic skills to prepare students for MATH 020. This course covers arithmetic operations on whole numbers, a brief introduction to fractions and decimals, and incorporates study skills for success in mathematics courses. 54 lecture hours.											
20208	Kim, E.	MW	08:20 AM-09:45 AM	MA 230	08/29-12/19		Scott, C.	T	05:25 PM-06:30 PM	LS 120	08/29-12/19
20215	Rahman, M.	MW	01:05 PM-02:30 PM	MA 223	08/29-12/19	21249	Gutierrez, J.	TR	02:40 PM-03:45 PM	LS 120	10/26-12/19
20147	Alvarado, N.	MW	05:25 PM-06:50 PM	MA 206	08/29-12/19		Gutierrez, J.	MTWR	01:05 PM-02:30 PM	LB 105	10/26-12/19
20220	Abbassi, A.	TR	09:55 AM-11:20 AM	ES 610	08/29-12/19	Learning Communities Class/Fast Track: Requires enrollment in Engl 030 21721, Engl 040 20487, and Math 020 20230.					
20139	Swatzel, J.	MTWR	09:55 AM-11:20 AM	PS 106	08/29-10/24	Second Eight Weeks					
Learning Communities Class/Fast Track: Requires enrollment in Math 020 21243 and Counseling 159 21756.						21250	Casey, D.	M	09:55 AM-11:00 AM	LS 120	08/29-12/19
First Eight Weeks							Casey, D.	MW	08:20 AM-09:45 AM	ES 610	08/29-12/19
MATH 020 Arithmetic Fundamentals						21252	Low, J.	MTWR	09:55 AM-11:20 AM	MA 230	10/26-12/19
3 Units							Low, J.	TW	11:30 AM-12:35 PM	LS 120	10/26-12/19
Prerequisite: Placement is based on multiple on multiple assessment measures or completion of MATH 017.						Fast Track Class: Requires enrollment in Math 020 CRN 21468.					
Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.						Second Eight Weeks					
The four basic operations of arithmetic on whole numbers, fractions, and decimals, with applications. Ratios, proportions, and percents with applications. 54 lecture hours.						21254	Scott, C.	TR	01:05 PM-02:30 PM	ES 610	08/29-12/19
22032	Low, J.	MW	08:20 AM-09:45 AM	MA 207	08/29-12/19		Scott, C.	R	11:30 AM-12:35 PM	LS 120	08/29-12/19
20272	Everest, R.	MW	11:30 AM-12:55 PM	PS 106	08/29-12/19	22158	Medrano, E.	WR	09:55 AM-11:00 AM	LS 120	10/26-12/19
20239	Low, J.	MW	11:30 AM-12:55 PM	MA 108	08/29-12/19		Medrano, E.	MTWR	08:20 AM-09:45 AM	LS 120	10/26-12/19
20314	Scott, C.	MW	05:25 PM-06:50 PM	MA 222	08/29-12/19	Fast Track Class: Requires enrollment in Math 020 CRN 22108.					
20248	Swatzel, J.	TR	07:15 AM-08:40 AM	MA 223	08/29-12/19	Second Eight Weeks					
22108	Medrano, E.	MTWR	08:20 AM-09:45 AM	LS 120	08/29-10/24	MATH 130 Elementary Algebra					
Fast Track Class: Requires enrollment in Math 029 CRN 22158.						4 Units					
First Eight Weeks.						Prerequisite: Placement is based on multiple assessment measures or completion of MATH 029 with min. grade of C.					
21468	Low, J.	MTWR	09:55 AM-11:20 AM	MA 230	08/29-10/24	Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.					
Fast Track Class: Requires enrollment in Math 029 CRN 21252.						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.					
20230	Gutierrez, J.	MTWR	01:05 PM-02:30 PM	LB 105	08/29-10/24	22037	Luu, K.	MTWR	07:00 AM-08:10 AM	PS 106	08/29-12/19
Learning Communities Class/Fast Track: Requires enrollment in Engl 030 21721, Engl 040 20487, and Math 029 21249.						20668	Kim, E.	MTWR	07:00 AM-08:10 AM	MA 206	08/29-12/19
First Eight Weeks.						21916	Tseng, K.	MTWR	07:00 AM-08:10 AM	MA 230	08/29-12/19
21243	Swatzel, J.	MTWR	09:55 AM-11:20 AM	PS 106	10/26-12/19	20481	Trad, M.	MTWR	08:25 AM-09:35 AM	MA 109	08/29-12/19
Learning Communities Class/Fast Track: Requires enrollment in Math 017 20139 and Counseling 159 21756.						21322	Trad, M.	MTWR	11:30 AM-12:40 PM	LB 105	08/29-12/19
Second Eight Weeks.						20632	Swan, A.	MTWR	11:35 AM-12:45 PM	ES 616	08/29-12/19
MATH 029 Pre-Algebra						20457	Morrison, J.	MW	07:15 AM-09:45 AM	MA 223	08/29-12/19
3 Units						20472	Le, T.	MW	07:15 AM-09:45 AM	LB 105	08/29-12/19
Prerequisite: Placement is based on multiple assessment measures or successful completion of MATH 020.						20527	Gong, C.	MW	09:55 AM-12:25 PM	MA 109	08/29-12/19
Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.						20503	Morrison, J.	MW	10:10 AM-12:40 PM	MA 223	08/29-12/19
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. 54 lecture hours, 36 lab hours.						20637	Gong, C.	MW	01:05 PM-03:35 PM	MA 124	08/29-12/19
20358	Casey, D.	T	09:55 AM-11:00 AM	LS 120	08/29-12/19	20529	Riderer, L.	MW	01:05 PM-03:35 PM	MA 109	08/29-12/19
	Casey, D.	TR	08:20 AM-09:45 AM	ES 610	08/29-12/19	20426	Nguyenhuu, R.	MW	01:05 PM-03:35 PM	ES 616	08/29-12/19
20362	Staff	TR	11:30 AM-12:55 PM	ES 610	08/29-12/19	20525	Morrison, J.	MW	02:45 PM-05:15 PM	MA 223	08/29-12/19
	Staff	T	01:05 PM-02:10 PM	LS 120	08/29-12/19	20648	Odrich, S.	MW	03:50 PM-06:20 PM	MA 125	08/29-12/19
20363	Rahman, M.	MW	11:30 AM-12:55 PM	MA 124	08/29-12/19	21919	Odrich, S.	MW	07:00 PM-09:30 PM	MA 126	08/29-12/19
	Rahman, M.	W	01:05 PM-02:10 PM	LS 120	08/29-12/19	20460	Abbassi, A.	TR	07:15 AM-09:45 AM	LB 105	08/29-12/19
20364	Tussy, A.	M	11:30 AM-12:35 PM	LS 120	08/29-12/19	20601	Tseng, K.	TR	08:50 AM-11:20 AM	MA 223	08/29-12/19
	Tussy, A.	MW	09:55 AM-11:20 AM	ES 610	08/29-12/19	20496	Low, J.	TR	01:05 PM-03:35 PM	MA 109	08/29-12/19
20374	Lei, L.	MW	11:30 AM-12:55 PM	ES 610	08/29-12/19	20651	Staff	TR	01:05 PM-03:35 PM	ES 616	08/29-12/19
	Lei, L.	M	01:05 PM-02:10 PM	LS 120	08/29-12/19	20517	Nguyen, C.	TR	01:05 PM-03:35 PM	MA 222	08/29-12/19
20383	Odrich, S.	MW	01:05 PM-02:30 PM	ES 610	08/29-12/19	20640	Staff	TR	03:50 PM-06:20 PM	MA 223	08/29-12/19
	Odrich, S.	M	02:40 PM-03:45 PM	LS 120	08/29-12/19	22030	Odrich, S.	TR	04:00 PM-06:30 PM	MA 109	08/29-12/19
20388	Rahman, M.	TR	11:30 AM-12:55 PM	MA 126	08/29-12/19	21256	Leung, S.	TR	04:20 PM-06:50 PM	MA 230	08/29-12/19
	Rahman, M.	R	01:05 PM-02:10 PM	LS 120	08/29-12/19	20656	Odrich, S.	TR	07:00 PM-09:30 PM	MA 126	08/29-12/19
20392	Alvarado, N.	MW	05:25 PM-06:50 PM	ES 610	08/29-12/19	20512	Trad, M.	MTWR	10:00 AM-11:10 AM	MA 124	08/29-12/19
	Alvarado, N.	M	07:00 PM-08:25 PM	LS 120	08/29-12/19	Learning Communities Class: Requires enrollment in Counseling 160 21767.					
20397	Lei, L.	TR	05:25 PM-06:50 PM	ES 610	08/29-12/19	22132	Medrano, E.	HRS-ARRG			08/29-12/19
	Lei, L.	T	07:00 PM-08:05 PM	LS 120	08/29-12/19	DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de					
20402	Nalbandyan, Z.	MW	07:00 PM-08:25 PM	ES 610	08/29-12/19	MATH 131 Plane Geometry					
	Nalbandyan, Z.	M	05:25 PM-06:30 PM	LS 120	08/29-12/19	4 Units					
Prerequisite: MATH 130.						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.					
						20684	Nguyen, T.	MW	01:05 PM-03:10 PM	MA 230	08/29-12/19

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MATH 148 Intermediate Algebra I 2.5 Unit:

Prerequisite: MATH 130.
Presents the first half of a two-semester alternative to intermediate algebra. (MATH 150). Real number properties, first degree equations and inequalities, absolute value equations and inequalities, applications, polynomials, the binomial theorem, factoring, rational expressions, exponents, radicals, and complex numbers. 54 lecture hours.
NOTE: BOTH MATH 148 AND MATH 149 MUST BE COMPLETED TO SATISFY A MATH 150 PREREQUISITE. MAY NOT BE TAKEN CONCURRENTLY WITH MATH 149 OR MATH 150.
20708 Nguyenhuu, R. MW 09:55 AM-11:20 AM MA 108 08/29-12/19
20699 Gong, C. TR 09:55 AM-11:20 AM MA 126 08/29-12/19

MATH 149 Intermediate Algebra II 2.5 Unit:

Prerequisite: MATH 148.
Presents the second half of a two-semester course in intermediate algebra. This course enables students to complete Intermediate Algebra (MATH 150) at a slower pace. Quadratic equations, applications, formulas, linear equations and inequalities, variation, functions, linear systems, conics, inverse functions, exponential, and logarithmic functions. 54 lecture hours.
NOTE: BOTH MATH 148 AND MATH 149 MUST BE COMPLETED TO SATISFY ANY PREREQUISITE REQUIRING INTERMEDIATE ALGEBRA. THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH MATH 150. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150.
20742 Nguyenhuu, R. TR 09:55 AM-11:20 AM MA 108 08/29-12/19

MATH 150 Intermediate Algebra 5 Units

Prerequisite: MATH 130.
Real number properties, first degree equations and inequalities, absolute value equations and inequalities, applications, polynomials, the binomial theorem, factoring, rational expressions, exponents, radicals, complex numbers, quadratic equations, applications, formulas, linear equations and inequalities, variation, functions, linear systems, conics, inverse functions, 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.
20791 Swan, A. MTWR 07:00 AM-08:10 AM MA 109 08/29-12/19
20781 Tussy, A. MTWR 07:00 AM-08:10 AM MA 222 08/29-12/19
20904 White, S. MTWR 08:20 AM-09:30 AM MA 125 08/29-12/19
20807 Tussy, A. MTWR 08:30 AM-09:40 AM MA 222 08/29-12/19
20866 Cummins, S. MTWR 10:00 AM-11:10 AM MA 206 08/29-12/19
20883 Everest, R. MTWR 10:00 AM-11:10 AM MA 207 08/29-12/19
20869 Cummins, S. MTWR 11:35 AM-12:45 PM MA 206 08/29-12/19
21449 Zhuang, Y. MTWR 11:35 AM-12:45 PM MA 230 08/29-12/19
20802 Faradineh, R. MW 07:15 AM-09:45 AM MA 108 08/29-12/19
20895 White, S. MW 09:55 AM-12:25 PM MA 126 08/29-12/19
20922 Everest, R. MW 01:05 PM-03:35 PM MA 222 08/29-12/19
21913 Zhuang, Y. MW 01:05 PM-03:35 PM MA 108 08/29-12/19
20901 Gonzalez, R. MW 02:45 PM-05:15 PM MA 207 08/29-12/19
20817 Nguyen, T. MW 03:50 PM-06:20 PM MA 230 08/29-12/19
20909 Gonzalez, R. MW 05:25 PM-07:55 PM MA 108 08/29-12/19
20793 Chun, M. TR 07:15 AM-09:45 AM MA 108 08/29-12/19
20872 White, S. TR 09:55 AM-12:25 PM MA 109 08/29-12/19
21908 Everest, R. TR 01:05 PM-03:35 PM MA 125 08/29-12/19
20886 Nguyenhuu, R. TR 01:05 PM-03:35 PM MA 124 08/29-12/19
20917 Gonzalez, R. TR 03:20 PM-05:50 PM MA 207 08/29-12/19
21257 Staff TR 03:50 PM-06:20 PM ES 616 08/29-12/19
20813 Ng, S. TR 05:25 PM-07:55 PM MA 108 08/29-12/19
20914 Swatzel, J. HRS-ARRG 08/29-12/19
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/edu
22036 Trad, M. HRS-ARRG 08/29-12/19
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MATH 151 Plane Trigonometry 4 Units

Prerequisite: MATH 131 and MATH 149 or MATH 150.
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; exponential and logarithmic functions. 72 lecture hours. CSU
20936 Gonzalez, R. MTWR 10:00 AM-11:00 AM MA 222 08/29-12/19
20932 Gonzalez, R. MTWR 11:30 AM-12:40 PM MA 222 08/29-12/19

20941 Casey, D. MW 01:05 PM-03:10 PM PS 106 08/29-12/19
20944 Riderer, L. TR 04:45 PM-06:50 PM MA 125 08/29-12/19

MATH 162 Introductory Mathematical Analysis 4 Units

Prerequisite: MATH 149 OR 150.
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
20954 Casey, D. TR 01:05 PM-03:10 PM PS 106 08/29-12/19

MATH 165 Introductory Statistics 4 Units

Prerequisite: MATH 149 or MATH 150.
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
21750 Gutierrez, J. MW 07:40 AM-09:45 AM MA 124 08/29-12/19
20965 Swan, A. MW 09:15 AM-11:20 AM ES 616 08/29-12/19
21911 Anderson, B. MW 09:55 AM-12:00 PM MA 125 08/29-12/19
21015 Anderson, B. MW 01:05 PM-03:10 PM MA 206 08/29-12/19
21004 Gutierrez, J. TR 07:40 AM-09:45 AM MA 124 08/29-12/19
20986 Swan, A. TR 09:15 AM-11:20 AM ES 616 08/29-12/19
20997 Anderson, B. TR 09:55 AM-12:00 PM MA 125 08/29-12/19
21667 Anderson, B. TR 01:05 PM-03:10 PM MA 126 08/29-12/19
21668 Zhuang, Y. TR 01:05 PM-03:10 PM MA 108 08/29-12/19
22163 Zhuang, Y. TR 05:25 PM-07:30 PM MA 206 08/29-12/19
21277 Tippins, R. HRS-ARRG 08/29-12/19
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

MATH 168 Mathematics for Elementary Teachers I 3 Units

Prerequisite: MATH 150.
Course is designed for prospective elementary teachers. The course covers sets, logic, number systems, number theory and algebra functions. Techniques in instructional delivery explored. 54 lecture hours, 18 lab hours. CSU
21027 Gong, C. TR 01:05 PM-03:10 PM MA 206 08/29-12/19

MATH 170 College Algebra 3 Units

Prerequisite: MATH 149 or MATH 150.
Polynomial, rational, exponential, and logarithmic functions; matrices and determinants; theory of equations; analytic geometry, and mathematical induction. 54 lecture hours. CSU UC
21037 Cummins, S. MW 08:20 AM-09:45 AM MA 206 08/29-12/19
21042 Wang, K. MW 01:05 PM-02:30 PM MA 207 08/29-12/19
21035 Cummins, S. TR 08:20 AM-09:45 AM MA 206 08/29-12/19
21039 Alvarado, N. TR 05:25 PM-06:50 PM MA 124 08/29-12/19
21278 Tippins, R. HRS-ARRG 08/29-12/19
DISTANCE EDUCATION CLASS After go to www.citruscollege.edu/de

MATH 175 Pre-Calculus 4 Units

Prerequisite: MATH 151.
Preparation for calculus; polynomial, rational, exponential, logarithmic, and trigonometric functions; analytic geometry; mathematical induction. 72 lecture hours. CSU UC
21047 Tippins, R. MW 01:05 PM-03:10 PM MA 125 08/29-12/19
21049 Scott, C. MW 07:00 PM-09:05 PM MA 207 08/29-12/19
21045 Tippins, R. TR 07:40 AM-09:45 AM MA 207 08/29-12/19

MATH 190 Calculus with Analytic Geometry I 4 Units

Prerequisite: MATH 175.
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
21062 Nguyenhuu, R. MTWR 08:20 AM-09:30 AM MA 126 08/29-12/19
21051 Swatzel, J. MW 01:05 PM-03:10 PM MA 126 08/29-12/19

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
21068 Medrano, E. MTWR 11:35 AM-12:45 PM MA 207 08/29-12/19
21065 Riderer, L. MW 05:25 PM-07:30 PM MA 124 08/29-12/19

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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

21072 Riderer, L. TR 01:05 PM-03:10 PM MA 207 08/29-12/19

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

21751 Tippins, R. TR 01:05 PM-03:10 PM MA 223 08/29-12/19