MATHEMATICS DEPARTMENT

COURSE OFFERINGS BY SEMESTER (Subject to Change)

CAL POLY
SAN LUIS OBISPO

Quarter	Semester	Title	Summer	Fall	Spring
ESM 90	ESM 900	Early Start Program: Mathematics Workshop (1 unit)	X	-	-
ESM 105	ESM 1005	Early Start Program: Mathematics (1 unit)	X	-	-
ESM 120	ESM 1200	Early Start Mathematics: Precalculus Review (1 unit)	X	-	-
95	900	Intermediate Algebra (2 units)	-	X	X
115	1000	Transition to College Algebra (1 unit)	-	X	X
112	1001	The Nature of Modern Math (3 units)	-	X	X
-	1004	Stretch College Algebra (5 units)	-	X	X
-	1005	Stretch Precalculus (5 units)	-	X	X
-	1006	College Algebra (3 units)	-	X	X
118	1007	Pre-Calculus (3 units)	X	X	X
206	1151	Linear Algebra (3 units)	X	X	X
141	1261	Calculus I (4 units)	X	X	X
142/143	1262	Calculus II (4 units)	X+	X	X
-	1263	Bridge Calculus II (2 units)	-	X	-
-	1264	Calculus for Data Science (4 units)	X+	X	X
-	1265	Calculus for Data Science II (4 units)	X+	X	X
221	1267	Business Calculus (3 units)	-	X	X
202	2001	Mathematics Orientation (1 unit)	-	X	X
248	2031	Transition to Advanced Mathematics (3 units)	-	X	X
241	2263	Calculus III (3 units)	X+	X	X
270	2270	Special Topics (1-3 units)	-	-	-
244	2341	Linear Analysis (4 units)	X+	X	X
242	2343	Differential Equations (3 units)	-	X	X
-	2621	Introduction to Mathematical Optimization (3 units)	-	X	X
419	3011	History Of Mathematics (3 units)	-	-	A
334	3051	Combinatorics (3 units)	-	X	-
335	3055	Graph Theory (3 units)	-	A	-
341	3111	Number Theory (3 units)	-	-	X
306	3152	Advanced Linear Algebra (4 units)	-	X	X

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2025-26

MATHEMATICS DEPARTMENT

COURSE OFFERINGS BY SEMESTER (Subject to Change)

Quarter	Semester	Title	Summer	Fall	Spring
410	3301	Complex Analysis (3 units)	-	-	X
344	3351	Differential Equations and Boundary Value Problems (3 units)	-	X	-
370	3370	Putnam Seminar (1 unit)	-	X	-
371	3371	Math Modeling Seminar (2 units)	-	X	-
227	3481	Mathematics for Elementary Teaching I (4 units)	-	X	X
328	3482	Mathematics for Elementary Teaching 2 (4 units)	-	X	X
329	3483	Mathematics for Elementary Teaching 3 (3 units)	-	X	X
442	3511	Euclidean Geometry (3 units)	-	-	X
-	3622	Mathematics of Data Science (3 units)	-	B	-
451	3651	Introduction to Numerical Analysis (3 units)	-	X	-
351	3680	Typesetting with LaTeX (1 unit)	-	X	-
350	3681	Mathematical Programming (3 units)	-	-	X
300	3971	Technology in Mathematics Education (3 units)	-	X	-
435	4052	Combinatorics II (3 units)	-	-	X
481	4201	Abstract Algebra I (4 units)	-	X	X
482/483	4202	Abstract Algebra II (3 units)	-	-	X
412	4264	Real Analysis I (4 units)	-	X	X
413/414	4265	Real Analysis II (4 units)	-	-	X
416	4342	Nonlinear Dynamical Systems (3 units)	-	-	X
418	4352	Partial Differential Equations (3 units)	-	X	-
400	4400	Special Problems for Advanced Undergrads (1-3 units)	-	-	-
-	4424	Teaching Mathematics in Secondary Schools (4 units)	-	X	-
-	4425	Teaching Clinical Experience Seminar (2 units)	-	-	X
461	4461	Senior Project I (2 units)	X	X	X
462	4462	Senior Project II (1 unit)	X	X	X
459	4463	Senior Project Seminar (3 units)	-	X	X
460	4464	Senior Project Applied Seminar (3 units)	-	X	-
-	4470	Special Advanced Topics (1-3 units)	-	-	-
-	4480	Advanced Seminar in Mathematics (1 unit)	-	-	-
-	4485	Cooperative Education Experience (4 units)	-	-	-
-	4495	Cooperative Education Experience (8 units)	-	-	-
443	4512	Non-Euclidean Geometry (3 units)	-	A	-
404	4531	Differential Geometry (3 units)	-	B	-
440	4541	Introduction to Topology (3 units)	-	X	-

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Quarter	Semester	Title	Summer	Fall	Spring
452	4652	Numerical Differential Equations (3 units)	-	-	A
453	4653	Numerical Optimization (3 units)	-	-	B
437	4911	Game Theory (3 units)	-	-	A
423	4972	Advanced Mathematics for Teaching (3 units)	-	-	X
475	4981	Advanced Topics in Mathematics (3 units)	-	-	-
476	4982	Advanced Topics in Applied Mathematics (3 units)	-	-	-
548	5041	Transition to Graduate Mathematics (3 units)	-	X	-
530	5053	Discrete Mathematics (3 units)	-	X	-
-	5203	Linear Algebra & Module Theory (3 units)	-	X	-
561	5204	Algebra (3 units)	-	-	X
550	5266	Real Analysis (3 units)	-	X	-
-	5302	Applied Complex Analysis (3 units)	-	-	X
-	5371	Methods of Applied Mathematics (3 units)	-	X	-
-	5500	Individual Study (1-3 units)	X	X	X
540/541	5542	Topology (3 units)	-	-	X
-	5570	Special Advanced Topics (1-3 units)	-	-	-
-	5580	Seminar (1-3 units)	-	-	-
-	5597	Comprehensive Examination (0 units)	-	-	X
599	5599	Thesis (2-3 units)	-	-	-
-	5651	Numerical Analysis (3 units)	-	-	X
-	5691	Applied Mathematics for Engineers (3 units)	-	X	-
-	5971	Graduate Teaching Seminar (1 unit)	-	X	-

For additional information, see the home pages of these departments.

Computer Science: https://csc.calpoly.edu/
Physics: http://www.physics.calpoly.edu/
Statistics: http://www.statistics.calpoly.edu/

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COURSE OFFERINGS BY SEMESTER (Subject to Change)

Cal Poly Maritime Math Courses

Course	Title	Summer	Fall	Spring
99L	College Algebra and Trig Support Lab	-	X	X
1100	College Algebra and Trig	-	X	X
1101	College Algebra	-	X	X
1105	Finite Mathematics for Business	-	-	X
1107	Elementary Statistics	-	X	X
2205	Calculus for Business	-	X	-
2210	Calculus I	-	X	X
2211	Calculus II	-	X	X
2212	Calculus III	-	X	-
2215	Differential Equations	-	-	X
2250	Introduction to Linear Algebra	-	X	-
3320	Probability and Statistics	-	X	-
3380	Introduction to Mathematical Modeling	-	X	-
3390	Independent Study	-	-	-
3395	Special Topics	-	-	X

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