

## MATHEMATICS DEPARTMENT

### COURSE OFFERINGS BY QUARTER

(Subject to Change)

Course	Title	Summer	Fall	Winter	Spring
92	Beginning Algebra Review	-	X	X	-
96	Intermediate Algebra	-	X	X	X
112	The Nature of Modern Math	-	-	X	X
116	Pre-Calculus Algebra I	-	X	X	X
117	Pre-Calculus Algebra II	-	X	X	X
118	Pre-Calculus Algebra	X+	X	X	X
119	Pre-Calculus Trigonometry	-	X	X	X
141	Calculus I	X+	X	X	X
142	Calculus II	X+	X	X	X
143	Calculus III	X+	X	X	X
161	Calculus for Life Sciences I	X+	-	X	X
162	Calculus for Life Sciences II	X+	X	-	X
182	Calc. for ARCH and CM	-	-	X	X
202	Orientation to Math Major	-	X	-	X
206	Linear Algebra I	X+	X	X	X
221	Calculus for BUS and ECON	-	-	X	X
227	Math for Elem. Teaching I	-	X	X	-
241	Calculus IV	X+	X	X	X
242	Differential Equations I	-	-	X	X
244	Linear Analysis I	X+	X	X	X
248	Methods of Proof in Math	X+	X	X	X
270	Selected Topics	-	-	-	-
300	Technology in Math Ed.	-	X	-	-
304	Vector Analysis	-	-	X	X
306	Linear Algebra II	-	X	X	X
326	Mathematics and Visual Art	-	-	-	-
328	Math for Elem. Teaching II	-	-	X	X
329	Math for Elem. Teaching III	-	X	-	X
330	Alg. Thinking with Technology	-	X	X	-

- X : Course offered every year
- A : Course offered in even academic years (ex. even-odd)
- B : Course offered in odd academic years (ex. odd-even)
- \* : Due to high demand, Math students are unlikely to be able to enroll
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Course	Title	Summer	Fall	Winter	Spring
331	Topics in Math for Teachers	-	-	-	-
335	Graph Theory	-	B	-	-
336	Combinatorial Mathematics	-	X	X	-
341	Theory of Numbers	-	X	-	X
344	Linear Analysis II	-	X	X	X
350	Mathematical Software	-	-	-	X
351	Typesetting with LaTeX	-	-	X	-
370	Putnam Exam Seminar	-	X	-	-
371	Math Modeling Seminar	-	-	X	-
372	Math Community Service	-	-	-	-
400	Special Problems	X	X	X	X
404	Intro. to Differential Geometry	-	B	-	-
406	Linear Algebra III	-	-	-	X
408	Complex Analysis I	-	X	-	-
409	Complex Analysis II	-	-	X	-
412	Intro. to Analysis I	-	X	X	-
413	Intro. to Analysis II	-	-	X	-
414	Intro. to Analysis III	-	-	-	X
416	Differential Equations II	-	A	B	-
418	Partial Differential Equations	-	X	-	X
419	Intro. to History of Math	-	-	X	-
423	Advanced Math for Teaching	-	-	-	X
424	Organizing and Teaching Math	-	X	-	-
425	Math Student Teach. Seminar	-	-	X	X
435	Discrete Math with Appl. I	-	X	-	-
436	Discrete Math with Appl. II	-	-	-	-
437	Game Theory	-	-	-	X
440	Topology I	-	-	X	-
441	Topology II	-	-	-	-
442	Euclidean Geometry	-	-	X	-
443	Modern Geometries	-	-	-	X

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451	Numerical Analysis I	-	-	X	-
452	Numerical Analysis II	-	-	-	A
453	Numerical Optimization	-	-	-	B
459	Senior Seminar	-	X	-	X
460	Applied Math Senior Seminar	-	X	-	-
461	Senior Project I	X	X	X	X
462	Senior Project II	X	X	X	X
470	Selected Advanced Topics	-	-	-	-
481	Abstract Algebra I	-	X	X	-
482	Abstract Algebra II	-	-	X	X
483	Abstract Algebra III	-	-	-	X
500	Individual Study	X	X	X	X
501	Methods of Applied Math I	-	X	-	-
502	Methods of Applied Math II	-	-	X	-
505	Graduate Teaching Seminar	-	X	-	-
520	Applied Analysis I	-	-	X	-
521	Applied Analysis II	-	-	-	X
530	Discrete Math with Appl. I	-	X	-	-
531	Discrete Math with Appl. II	-	-	X	-
540	Topology I	-	-	X	-
541	Topology II	-	-	-	X
550	Real Analysis	-	X	-	-
560	Field Theory	-	-	-	X
561	Graduate Algebra	-	X	-	-
580	Seminar	-	-	-	-
599	Thesis	X	X	X	X

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**MATHEMATICS DEPARTMENT**  
**COURSE OFFERINGS BY QUARTER**  
 (Subject to Change)

**Selected**  
**Computer Science, Statistics and Physics Course Offerings**<sup>1</sup>

Course	Title	Summer	Fall	Winter	Spring
CPE/CSC 101 <sup>1</sup>	Fund. of Comp. Sci.	-	X	X*	X
CPE/CSC 202 <sup>1</sup>	Data Structures	-	X	X	X*
CPE/CSC 203 <sup>1</sup>	Project-Based Object-Oriented Programming and Design	-	X*	X	X
SCM 300 <sup>1</sup>	Early Field Experience	-	X	X	-
STAT 301 <sup>1</sup>	Statistics I	-	X	X	-
STAT 302 <sup>1</sup>	Statistics II	-	-	X	X
STAT 305 <sup>1</sup>	Intro. to Probability Models	-	X	X	-
STAT 425 <sup>1</sup>	Probability Theory	-	X	-	-
PHYS 141 <sup>1</sup>	General Physics IA	X	X	X	X
PHYS 132 <sup>1</sup>	General Physics II	X	X	X	X
PHYS 133 <sup>1</sup>	General Physics III	X	X	X	X

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<sup>1</sup> 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/>