



MATHEMATICS DEPARTMENT
COURSE OFFERINGS BY QUARTER 11-12
(Subject to Change)

4/1/11

Course	Title	Summer	Fall	Winter	Spring
100	Beginning Algebra Review	-	X	X	-
104	Intermediate Algebra	-	X	X	X
110	Beginning Algebra Workshop	-	X	X	-
112	The Nature of Modern Math	-	-	X	X
114	Int. Algebra Workshop	-	X	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
126	Pre-Calculus Alg. Workshop I	-	X	X	X
127	Pre-Calculus Alg. Workshop II	-	X	X	X
128	Pre-Calculus Alg. Workshop	-	X	X	X
129	Pre-Calculus Trig. Workshop	-	X	X	X
141	Calculus I	X	X	X	X
142	Calculus II	X	X	X	X
143	Calculus III	X	X	X	X
151	Calculus Workshop I	-	X	X	X
152	Calculus Workshop II	-	X	X	X
153	Calculus Workshop III	-	X	X	X
161	Calculus for Life Sciences I	-	-	X	X
162	Calculus for Life Sciences II	-	X	-	X
171	Calc. for Life Sci. Workshop I	-	-	X	X
182	Calc. for ARCH and CM	-	-	X	X
192	Calc. for ARCH and CM Wkshp.	-	-	X	X
202	Orientation to Math Major	-	X	-	X
206	Linear Algebra I	-	X	X	X
211	Computational Math I	-	-	-	-
212	Computational Math II	-	-	-	-
221	Calculus for BUS and ECON	X	-	X	X
227	Math for Elem. Teaching I	-	X	X	-
231	Calc. BUS and ECON Wrkshp.	-	-	X	X

X : Course offered every year

A : Course offered in alternate years (will be offered 12-13)

B : Course offered in alternate years (will be offered 11-12)

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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
258	Methods of Proof Workshop	-	X	X	X
270	Selected Topics	-	-	-	-
300	Technology in Math Ed.	-	X	-	-
304	Vector Analysis	-	-	X	X
306	Linear Algebra II	-	X	X	X
316	Linear Algebra Workshop 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	-
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

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419	Intro. to History of Math	-	-	X	-
422	Intro. to Analysis I Workshop	-	X*	X*	-
423	Advanced Math for Teaching	-	-	-	X
424	Organizing and Teaching Math	-	X	-	-
425	Math Student Teach. Seminar	-	X	X	X
435	Discrete Math with Appl. I	-	X	-	-
436	Discrete Math with Appl. II	-	-	X	-
437	Game Theory	-	-	-	X
440	Topology I	-	-	X	-
441	Topology II	-	-	-	X
442	Euclidean Geometry	-	-	X	-
443	Modern Geometries	-	-	-	X
451	Numerical Analysis I	-	-	X	-
452	Numerical Analysis II	-	-	-	A
453	Numerical Optimization	-	-	-	B
459	Senior Seminar	-	X	-	X
460	Applied Math Senior Seminar	-	-	-	-
461	Senior Project I	X	X	X	X
462	Senior Project II	X	X	X	X
470	Selected Advanced Topics	-	-	X	X
481	Abstract Algebra I	-	X	X	-
482	Abstract Algebra II	-	-	X	X
485	Cooperative Ed Experience	X	X	X	X
491	Abstract Algebra I Workshop	-	X*	X*	-
495	Cooperative Ed Experience	X	X	X	X
500	Individual Study	X	X	X	X
501	Methods of Applied Math I	-	B	-	-
502	Methods of Applied Math II	-	-	-	-
504	Math Topics for Teachers	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	-

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Course	Title	Summer	Fall	Winter	Spring
540	Topology I	-	-	X	-
541	Topology II	-	-	-	X
550	Real Analysis	-	X	-	-
560	Field Theory	-	-	-	X
580	Seminar	-	-	-	-
599	Thesis	X	X	X	X

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Selected
Computer Science, Statistics and Physics Course Offerings

Course	Title	Summer	Fall	Winter	Spring
CSC/CPE 101 ²	Fundamentals of Comp. Sci. I	-	X	X	X
CSC/CPE 102	Fundamentals of Comp. Sci. II	-	X	X	X
CSC/CPE 103	Fund. of Comp. Sci. III	-	X	X	X
CSC 235	Fund. CSC for Sci. and Eng. I	-	X	X	-
CSC 236 ²	Fund. CSC for Sci. and Eng. II	-	-	-	-
SCM 300	Early Field Experience	-	X	X	-
STAT 301	Statistics I	-	X	X	-
STAT 302	Statistics II	-	-	X	X
STAT 325	Intro. to Probability Models	-	-	-	X
STAT 425	Probability Theory	-	X	-	-
PHYS 141	General Physics IA	X	X	X	X
PHYS 132	General Physics II	X	X	X	X
PHYS 133	General Physics III	X	X	X	X

¹ For additional information, see the home pages of these departments.

Computer Science: <http://www.csc.calpoly.edu/>

Physics: <http://www.calpoly.edu/~phys/>

Statistics: <http://www.calpoly.edu/~stat/>

² Math majors who complete CSC/CPE 101 may enroll in CSC 236 (in lieu of the CSC 235 prerequisite).

