

SANTA CLARA UNIVERSITY
Department of Mathematics and Computer Science
UPPER DIVISION COURSES
(REVISED MAY 2010)

Courses marked with an asterisk are those considered part of the Computer Science sequence. When no quarter is indicated, the quarter the course is offered depends on the availability of faculty.

COURSES OFFERED EVERY YEAR

- 100 Writing in the Mathematical Sciences (Usually Fall)
- 102 Advanced Calculus (Fall)
- 103 Linear Algebra II (Fall) (Occasionally skipped)
- 122 Probability & Statistics I (Fall)
- 123 Probability & Statistics II (Winter)
- *163 Theory of Algorithms (Spring; Possibly Winter as well)
- *166 Numerical Analysis (Occasionally skipped)
- *176 Combinatorics (Spring)

COURSES OFFERED EVERY OTHER YEAR **SET I**** 2010–11, 2012–13, etc.**

- 105 Complex Variables (Winter)
- 111 Abstract Algebra I (Fall)
- 112 Abstract Algebra II (Winter)
- 113 Topology (Spring)
- 125 Mathematical Finance (Spring)
- 155 Ordinary Differential Equations
- *161 Automata Theory (Fall)
- *169 Programming Languages
- 170 Development of Mathematics
- 175 Theory of Numbers (Spring)
- *177 Graph Theory
- *182 Digital Steganography

COURSES OFFERED EVERY OTHER YEAR **SET II**** 2009–10, 2011–12, 2013–14 etc.**

- 101 Geometry (Winter)
- *144 Partial Differential Equations
- 153 Intermediate Analysis I (Winter)
- 154 Intermediate Analysis II (Spring)
- *164 Simulation (Winter)
- *165 Linear Programming (Spring)
- *168 Computer Graphics (Fall)
- 172 Problem Solving
- 174 Differential Geometry (Spring)
- 178 Cryptography (Winter)
- *181 Applied Cryptography (Spring)

COURSES OFFERED BY REQUEST ONLY OR ON AN OCCASIONAL BASIS

- 134 Set Theory
- *162 Formal Languages
- *167 Boolean Algebra & Switching Theory
- 197 Special Topics (Modeling)

SANTA CLARA UNIVERSITY
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UPPER DIVISION COURSES — CHART BY QUARTER
 (REVISED MAY 2010)

FALL QUARTER

SET I (2010–11)	SET II (2009–10)
100	100
102	102
103†	103†
122	122
111	*168
161	

WINTER QUARTER

SET I (2010–11)	SET II (2009–10)
123	123
[*163]	[*163]
105	101
112	153
	*164
	178

SPRING QUARTER

SET I (2010–11)	SET II (2009–10)
*163	*163
176	176
113	154
125	*165
175	174
	*181

VARIABLE AS TO QUARTER TAUGHT

SET I (2010–11)	SET II (2009–10)
*166†	*166†
155	*144
*169	172
170	
*177	
*182	

“Every year” courses marked with the dagger (†) may occasionally be cycled if there is a low demand.