

Syllabus for Math 19000, College Algebra

Text: Stewart, Redlin, Watson *Precalculus, 7th ed.*, Cengage.

(Visit the Math190WebAssignInfo link on the CCNY Math 190 webpage before purchasing the textbook because you must also purchase a webassign access code.)

Section	Hours	Exercises
1.1 Reals	1	29–32,35–38,47–66
1.2 Exponents (omit Scientific Notation)	3	9–82
1.3 Alg Expression	3	9–78
1.4 Rational Expression	3	1–96
1.5 Equations	3	2–116
1.7 Modeling	1	21–54
1.9 Coordinate Plane (omit symmetry)	2	25–45,55–60,83–104
1.10 Lines	2	9–52
2.1 Functions	3	17–72
2.2 Graphs	3	2–28,33–46,49–68
2.3 Graph Info (Examples 1,2,5,8 only)	1	7–16,43–46
2.6 Transformations	2	1–74
2.7 Combining Functions (Examples 3–6 only)	1	27–72
3.1 Quadratics (omit modeling)	2	1–44
3.2 Polynomial Graphs	2	1–44, 51–54
3.3 Dividing Polynomials	1	1–24
3.6 Rational Functions (omit slant asympt.)	1	1–62
5.1 The Unit Circle	2	1–60
5.2 Trig Functions	2	1–70
6.2 Right Triangle Trig	2	3–8,23–44,53–58
6.5 Law of Sines	0.5	1–28
6.6 Law of Cosines	0.5	1–32
10.1 Systems of Linear Equations	1	1–50,59–67
10.2 System in Several Variables	1	7–24
10.3 Matrices and Systems	3	1–48