Math 1060 Topics

(based on the OER text found at precalcandtrig.net)

Section	Торіс	Days
Review	Introduction and prereqs (algebra, factoring, etc).	1
4.1	Introduction to Angles and Radians, arc length and sector area, linear vs. angular speed	2
4.2	Right triangle trig, special right triangles	2
4.3	Trigonometry in the Coordinate Plane	2
5.1 & 5.2	The Unit Circle and special unit circle values	1
5.3	Graphing Sine and Cosine Functions, identifying features of sinusoidal functions, writing equations of sinusoidal functions from graphs	2
5.4	Graphing Other Trigonometric Functions	2
5.5	Inverse Trigonometric Functions	1.5
5.6	Solving Basic Trigonometric Equations – by inspection, using inverses, with complicated inputs, using algebra	1.5
6.1	Fundamental Trigonometric Identities – applying, simplifying, and verifying identities	2
6.2	Sum and Difference Identities – applying, simplifying, and verifying identities	2
6.3	Double, Reduction, and Half Angle Identities– applying, simplifying, and verifying identities	2
6.5	Solving trigonometric equations involving identities	1
	Days for extra coverage, catch up, reviews, exams	8
	Total	30