Math 122 Sequence of Topics

From *Trigonometry*, 12th Edition, by Lial, Hornsby, Schneider, Daniels

	Topic	Assignment
1.1	Angles	11 – 123 eoo ("every other odd")
1.2	Angle Relationships & Similar Triangles	11 – 69 odd
1.3	Trigonometric Functions	11–31 odd, 35, 39, 43, 47, 51–61 odd, 65, 69, 73, 77–87 odd
1.4	Using the Trig Function Definitions	15–23 odd, 27–83 odd
2.1	Trig Functions of Acute Angles	11–39 odd, 49–63 odd, 73, 75
2.2	Trig Functions of Non-Acute Angles	11–43 odd, 47, 51, 61–71 odd
2.3	Approximating Trig Function Values	11, 15, 19, 23, 31, 35, 39, 63, 65, 67
2.4	Right Triangle Solutions & Applications	13, 15, 17, 19, 25–39 odd, 45–61 odd
2.5	Further Applications of Right Triangles	19–37 odd
3.1	Radian Measure	11–25 odd, 29–63 odd, 67–85 odd
3.2	Applications of Radian Measure	13, 15, 17, 19, 23–35 odd, 49–59 odd
3.3	The Unit Circle & Circular Functions	17–31 odd
4.1	Graphs of Sine & Cosine	13–39 odd
4.2	Translations of Sine & Cosine	17, 31–37 odd, 41, 43, 47, 49, 53, 57
4.3	Graphs of Tangent & Cotangent	13, 17, 21, 25, 29, 33
4.4	Graphs of Secant & Cosecant	11, 15, 19, 23, 25
5.1	Fundamental Identities	11–21 odd, 31–37 odd, 53, 57, 61, 65, 69, 73, 77
5.2	Verifying Trigonometric Identities	23–85 eoo
5.3	Sum & Difference Identities for Cosine	9–17 odd, 37, 39, 41, 45, 51, 53, 55, 67, 69
5.4	Sum & Difference Identities for Sine & Tangent	11, 13, 23, 27, 33, 37, 39, 43, 51, 53, 55, 61, 65
5.5	Double-Angle Identities	7–51 odd
5.6	Half-Angle Identities	1, 3, 11, 13, 15, 19–29 odd, 33–49 odd
6.1	Inverse Circular Functions	13–47 odd, 51, 55, 57, 61, 65, 67, 75–89 odd, 95, 97, 99
6.2	Trigonometric Equations I	15–45 odd, 49, 53, 57, 59
6.3	Trigonometric Equations II	17–39 odd, 43, 47, 49
6.4	Equations Involving Inverse Trigonometric Functions	7–37 odd
7.1	Oblique Triangles and the Law of Sines	13–27 odd, 33–45 odd
7.2	The Ambiguous Case of the Law of Sines	13–29 odd, 35, 37,
7.3	The Law of Cosines	13–35 odd, 39–47 odd, 51, 55

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	Topic	Assignment
8.2	Polar Form of Complex Numbers	29–61 odd
8.3	The Product & Quotient Theorems	7–21 odd, 29–35 odd
8.4	De Moivre's Theorem; Powers & Roots of Complex Numbers	7–47 odd