

**Math 100**  
**Schedule of Lectures**  
**Precalculus with Calculus Previews 4rd edition, by D.G. Zill and J.M. Dewar**

CLASS	SECTIONS	LECTURES*
1	1.5	<i>Calculus Preview</i> : Algebra and Limits
2	1.3 - 1.4	The Rectangular Coordinate System. Circles and Graphs.
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5	2.1 - 2.8	Functions and Graphs. Symmetry and Transformations. Linear Functions. Quadratic Functions. Piecewise-Defined Functions. Combining Functions. Inverse Functions. Translating Words into Functions.
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10	2.9	<i>Calculus Preview</i> : The Tangent Line Problem
11	3.1	Polynomial Functions
12	<b>TBA</b>	
13	<b>Midterm 1</b>	
14	3.2	Division of Polynomial Functions
15	3.4	Real Zeroes of Polynomial Functions
16	3.5	Rational Functions
17	3.6	Partial Fractions
18	<b>Thanksgiving - University Closed</b>	
19	3.7	<i>Calculus Preview</i> : The Area Problem
20	4.1	Angles and Their Measurement
21	4.2	The Sine and Cosine Functions
22	4.3	Graphs of Sine and Cosine Functions
23	4.4	Other Trigonometric Functions
24	4.5	Special Identities
25	4.6	Trigonometric Equations
26	4.7	Inverse Trigonometric Functions
27	<b>TBA</b>	
28	<b>Midterm 2</b>	
29	4.8	Right Triangle Trigonometry
30	4.9	Law of Sines and Law of Cosines.
31	4.10	<i>Calculus Preview</i> : The Limit Concept Revisited.
32	5.1	Exponential Functions
33	5.2	Logarithmic Functions
34	5.3	Exponential and Logarithmic Models
35	5.4	<i>Calculus Preview</i> : The Number e.
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37	6.4	Polar Coordinates (optional)
38	6.7	<i>Calculus Preview</i> : Parametric Equations (optional)
39	<b>TBA</b>	