

## Math 115 Engineering Technical Math I

Course Objective: This course is an integrated treatment of mathematical topics needed for a sound background for anyone going into a technical field. Functions, graphs, systems of equations, factoring, linear equations, quadratic equations, exponents, radicals, trigonometric functions and their graphs are all discussed in this course. This syllabus is intended for use by NNSY apprentice classes only.

Text: Basic Technical Mathematics by Allyn J. Washington, 7<sup>th</sup> ed.

Materials: Scientific or graphing calculator  
Protractor  
Notebook

Disability Services Policy: Reasonable accommodations will be made for students with disabilities provided those students have registered with the Office of Disability Services. Present your teacher with the documentation.

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<b>Week</b>	<b>Section</b>	<b>Assignment</b>
1	1.1	P. 5: 1-25 odd
	1.2	P. 10: 1-31 odd
	1.3	P. 15: 5,7,9,17-35 odd
	1.4	P. 20: 1-53 every other odd (eoo)
	1.5	P. 23: 1-15 odd
	1.6	P. 25: 3,7,11,19,23,27,31
	1.7	P. 29: 7,11,21,27,29,31,35
	1.8	P. 31: 5,7,17,25,31,33,39,41
2	1.9	P. 34: 3,5,11,17,23,25,31
	1.10	P. 37: 5,11,17,19,23,27,29,31
	1.11	P. 40: 5,11,13,15,17,23
	1.12	P. 44: 1,5,9,11,12
3	<b>Test #1</b>	
	3.1	P. 80: 1-15 odd
	3.2	P. 84: 1-15 odd
4	3.3	P. 87: 1-4,5,7
	3.4	P. 92: 3,5,7,11,15
	3.5	P. 96: 1-11 odd (optional)
	4.1	P. 107: 1-11 odd, 33,35
	4.2	P. 111: 1-9 odd, 17-25 odd

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<b>Week</b>	<b>Section</b>	<b>Assignment</b>
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5	4.3	P. 115: 5-35 odd
	4.4	P. 120: 5-15 odd, 25,26,27
	4.5	P. 122: 1-11 odd
	5.1	P. 132: 9,13,17
	5.2	P. 136: 3,5,9,11,13,17,21,27,31
6	5.3	P. 140: 3,13,21,27
	5.4	P. 145: 3,5,7,15,19,21,23,25,29
	5.5	P. 151: 1-9 odd, 15,19,21,23
	5.6	P. 155: 1,3
7	<b>Test #2</b>	
	6.2	P. 173: 3,5,11,15,19,23,25,31,37,45,47,49
	6.3	P. 179: 1-41 eoo
	6.4	P. 181: 1-9 odd
8	6.5	P. 185: 19-49 odd
	6.6	P. 189: 9-31 odd
	6.7	P. 193: 7,9,11,17,19,21,25,29,33,35,37
	6.8	P. 198: 5,11,15,19,23,25,27
9	7.1	P. 206: 9,13,17,19,25,27,33,45
	7.3	P. 213: 5,9,13,15,21,23
	7.4	P. 217: 9-15 odd
	8.1	P. 223: 1-7 odd, 13,15,17,21,27,29
10	8.2	P. 229: 13-31 odd
	8.3	P. 234: 1-31 odd, 41-55 odd
	9.1	P. 247: 1-11 odd
	9.2	P. 251: 1-11 odd, 17, 19
11	<b>Test #3</b>	
	9.3	P. 256: 1-25 eoo
	9.4	P. 259: 1-11 odd
12	9.5	P. 266: 1-13 odd
	9.6	P. 271: 1-13 odd
	10.1	P. 279: 1,5,11,15
	10.2	P. 282: 1,5,13

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<b>Week</b>	<b>Section</b>	<b>Assignment</b>
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13	10.3	P. 286: 1-11 odd, 27
	11.1	P. 304: 1-31 odd
	11.2	P. 308: 1-39 odd
	11.3	P. 312: 1-23 odd
14	11.4	P. 314: 1-17 odd
	11.5	P. 318: 1-31 odd
	12.1	P. 324: 1-9 odd, 25-35 odd
	12.2	P. 327: 1-25 odd
15	<b>Test #4</b>	
16	<b>Final Examination</b>	