Listado de los diferentes temas a cubrirse durante el curso según el libro "*Basic Engineering Circuit Analysis*," 11ma edición. El orden a seguir puede variar y los tópicos a discutirse pueden variar.

	Topics	Textbook Reference	Lectures	Recommended Problems
Exam #1	System of Units, Basic Quantities, Circuit Elements	**Chapter 1**		1.3, 1.4, 1.7, 1.9, 1.11, 1.14, 1.17, 1.20, 1.23, 1.27, 1.31, 1.32, 1.36, 1.43, 1.45
	Ohm's Law, Kirchhoff's Laws, Single-Loop Circuits, Single-Node-Pair Circuits, Series and Parallel Resistor Combinations, Wye-Delta Transformations, Circuits with Dependent Sources	**Chapter 2**	1-6	2.1, 2.3, 2.6, 2.9, 2.12, 2.15, 2.19, 2.24, 2.28, 2.34, 2.40, 2.45, 2.50, 2.54, 2.57, 2.60, 2.66, 2.71, 2.77, 2.85, 2.89, 2.93, 2.98, 2.104, 2.114, 2.118, 2.125, 2.130
	Nodal Analysis, Loop Analysis	**Chapter 3**	7-9	3.2, 3.5, 3.7, 3.8, 3.11, 3.16, 3.22, 3.29, 3.31, 3.39, 3.44, 3.47, 3.52, 3.60, 3.65, 3.69, 3.74, 3.78, 3.82, 3.87, 3.92, 3.94, 3.100, 3.103, 3.108, 3.115, 3.118, 3.124
Exam #2	Source Transformations, Superposition, Thévenin's and Norton's Theorems, Maximum Power Transfer	**Chapter 5**	10-14	5.1, 5.5, 5.9, 5.12, 5.18, 5.22, 5.26, 5.31, 5.36, 5.42, 5.48, 5.53, 5.57, 5.62, 5.67, 5.71, 5.77, 5.83, 5.88, 5.93, 5.101, 5.107, 5.108, 5.112, 5.114, 5.119, 5.124
	Op-Amp Models, Fundamental Op-Amp Circuits	**Chapter 4**		4.1, 4.3, 4.8, 4.9, 4.11, 4.13, 4.14, 4.16, 4.18, 4.20, 4.23, 4.26, 4.28, 4.30, 4.33, 4.35, 4.37, 4.39, 4.41
	Capacitors, Inductors, Capacitor and Inductor Combinations	**Chapter 6**	15-18	6.3, 6.7, 6.13, 6.15, 6.17, 6.21, 6.25, 6.28, 6.36, 6.38, 6.44, 6.46, 6.49, 6.51, 6.57, 6.62, 6.65, 6.68, 6.71, 6.74, 6.78, 6.82
Exam #3	Sinusoids, Sinusoidal and Complex Forcing Functions, Phasors, Phasor Relationships for Circuit Elements, Impedance and Admittance, Phasor Diagrams, Basic Analysis Using Kirchhoff's Laws, Analysis Techniques	**Chapter 8**	19-22	8.1, 8.3, 8.6, 8.9, 8.11, 8.14, 8.19, 8.20, 8.21, 8.24, 8.27, 8.31, 8.33, 8.38, 8.41, 8.44, 8.50, 8.53, 8.55, 8.62, 8.65, 8.71, 8.75, 8.79, 8.83, 8.89, 8.94, 8.99, 8.102, 8.106, 8.111, 8.118, 8.127, 8.134, 8.144
	Mutual Inductance, Energy Analysis, The Ideal Transformer	**Chapter 10**		10.1, 10.3, 10.6, 10.8, 10.11, 10.15, 10.20, 10.26, 10.32, 10.38, 10.43, 10.50, 10.56, 10.63, 10.69, 10.72
	Instantaneous Power, Average Power, Maximum Average Power Transfer, Effective or RMS Values, Power Factor, Complex Power, Power Factor Correction	**Chapter 9**	23-28	9.1, 9.4, 9.6, 9.9, 9.11, 9.15, 9.20, 9.26, 9.30, 9.32, 9.38, 9.43, 9.47, 9.48, 9.53, 9.59, 9.63, 9.66, 9.68, 9.70, 9.73, 9.77, 9.78, 9.81, 9.83, 9.85, 9.91, 9.93, 9.95, 9.99, 9.103, 9.108, 9.110
	Two-Port Networks: Impedance Parameters, Admittance Parameters, Hybrid Parameters, Transmission Parameters, Parameter Conversions, Interconnection of Networks	**Chapter 16**	29-30	16.4, 16.5, 16.8, 16.9, 16.15, 16.18, 16.21, 16.22, 16.26, 16.28, 16.29, 16.31, 16.37, 16.43, 16.47, 16.53, 16.55