

### Tentative Schedule

Week	Date	Course Contents	HW
Week 1		Syllabus, resource, software	
		Mod 1 Circuit basics: phasors, KCL, KVL, Thevenin	
Week 2		Mod 1 Circuit basics: Y bus matrix/ Z-bus	
		Mod 1 Circuit basics: Power computing	
Week 3		Tutorial 1: vector/matrix and plots in Matlab	HW #1 due
		Mod 2: Per unit systems	
Week 4		Mod 2: Per unit systems	
		Mod 2: Per unit systems	HW #2 due
Week 5		Mod 3: Balanced three-phase fault analysis	
		Mod 3: Symmetric components and sequence networks	
Week 6		Mod 3: Unbalanced fault analysis	
		Mod 3: Unbalanced fault analysis	
Week 7		Mid-term Review	HW #3 due
		<b>Midterm Exam</b>	
Week 8		Mod 4: Transmission line	
		Mod 4: Transmission line	
Week 9		Mod 4: Transmission line	HW #4
		Mod 4: HW discussion and hints	
Week 10		Mod 5: Load flow	
		Mod 5: Load flow	
Week 11		Tutorial 2: programming	
		Mod 5: Load flow	HW#5
Week 12		Mod 5: HW discussion and hints	
		Mod 6: Advanced topics	
Week 13		Mod 6: Advanced topics	
		Mod 6: Advanced topics	
Week 14		Mod 6: Advanced topics	HW#6 (graduate students only,
		<b>Thanksgiving Holiday</b>	bonus credits for undergraduates)
Week 15			
		<b>Final Exam</b>	