SEM2 No.	Friday	EO115 - Electrical Energy and Machines *Material identified during lecture slot*	*Action plan, with Bold italics to indicate what was not done?*
1	11-Feb	***2004/2005***	
2	18-Feb	Course Summary; Electrical Energy Sources, Electrical vs magnetic circuits	Research a little into magnetic circuits and try to remember the different terms, and how they relate to their electrical equivilent (flux-current, reluctance-resistance, mmf-emf, permiance-conductance). Also surrounding equations like mmf=NI and flux density
3	25-Feb	Transformers: Mathematical relationship (+proof) with ideal trf, leading onto modeling real trfs with ideal components	As last week - need to learn the magnetic field circuit terms, definitions and equations
4	04-Mar	More on transformers	Need to get familier with showing secondary components on the primary side etc.
5	11-Mar	(P Howsen) Introduction to electricity generation, looking mainly at nuclear.	Text book? (few handouts and no SC support provided)
6	18-Mar	(B Baha) Revision of of all topics covered with Baha so far, going through past exam questions on Transformers and magnetic induction and circuits.	Need to download / get a few past papers to become well practised with the subject(s)
7	25-Mar	Easter Vacation	
8	01-Apr	Easter Vacation	
9	08-Apr	All lectures this semester by P Howsen… Power Generation, Distribution and effects of overloads etc.	Pretty straightforwards
10	15-Apr	DC motors - Fixed magnet, shunt & series DC machines (generators & motors), DC motor speed control	All makes sense… need to learn / recognise new equations
11	22-Apr	DC machines - theory behind AC generators	as last week
12	29-Apr	Lecture given by Nigel Bish - Going over handouts: Alternative Power Generation, 3 phase sychronous generator	Must re-read the handouts
13	06-May	Brief review of last week, and practical transformer characteristics	Lab session next week - bring laptop
14	13-May	Lab session (DC machines part 1)	Nice curve produced from results
15	20-May		
16	27-May		
17	03-Jun	Examination week	
18	10-Jun	Examination week	