	-CP violation		-000	-Weak Interactions	-Spontaneous Symmetry Breaking		-Non-Abelian Gauge Theoremies	-Review of Electrodynamics of Quarks and Hadrons	-Review of cross section calculations in QED		Those to rover the following:	Phenomenology of the Standard Model (PHY2408S)	

we claim new physics	-need to understand predictions very well before	new physics.	-It's the basis for Ho, the null hypothesis for any	doing the calculations	-need to understand what can be measured before	-how was it tested, what is the result?	-what is the prediction?	(work is ongoing). I would like you to understand:	interactions. It has been tested to a high degree of precision	The Standard Model is our theory of fundamental particles and	to experimental measurements	base perform important calculations and relate those calculations	I propose to present an overview of the topics on the previous	
												6	<u>)</u>	

	Final Exam: 40% (mid-April)	week. No marks if more than 3 weeks late).	Grading: 4 problem sets 15% each (Penalty for being late 20% per	-Aitchison and Hey (Gauge Theories in Particle Physics)	-Griffiths (Introdution to Elementary Particles)	-Halzen Martin (Quarks and Leptons)	-Quigg (Gauge Theories of the Strong, Weak,)	-Burgess and Moore (Standard Model: a Primer)	-I will post my notes online. Other suggested texts include:	to experimental measurements.	page, perform important calculations and relate those calculations	I propose to present an overview of the topics on the previous	











