Dan Kabat  
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class web page:  
www.phys.columbia.edu/~kabat/QM2/  

There will be regular problem sets, plus a midterm and final; the grading will be the same as last semester: 30% hw, 30% midterm, and 40% final. Late homework policy: full credit for homework that’s turned in on time, 30% off for homework that’s turned in after the due date.

TA:  
Mark Jackson  
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This course is a continuation of G6037. The topics for this semester are:  
Continuous symmetries and angular momentum  
Perturbation theory  
Scattering theory  
Introduction to relativistic quantum mechanics  

References:  
Sakurai is pretty good on angular momentum and perturbation theory. When it comes to scattering theory, I think Shankar has a nicer treatment. 
Sakurai doesn’t cover relativistic quantum mechanics at all. For this you’ll need to look at the introductory chapters of a book on quantum field theory, for example:  

F. Mandl and G. Shaw, *Quantum field theory*, chapter 1.  
J.J. Sakurai, *Advanced quantum mechanics*, sections 2.1 through 2.4.