

*The*  
Princeton University  
Department of Physics  
*invites you to participate in*  
*a new course for Spring 2005*

Ph410  
Physics of Quantum Computation

Tue-Thu 11-12:20

*Join*  
Prof. Kirk McDonald  
kirkmcd@princeton.edu  
*in a search for the science behind the buzz*

*Course web page:*  
<http://puhep1.princeton.edu/~mcdonald/examples/index.html#ph410>

Prerequisites:  
Some awareness of Heisenberg and Schroedinger, and a desire to  
explore such factoids as

$$\sqrt{\text{NOT}} = \frac{1}{2} \begin{pmatrix} 1-i & 1+i \\ 1+i & 1-i \end{pmatrix}$$

(Formal prerequisite: Ph208)