

**IDS 101-19: Living Mathematics:
The Greatest Discoveries of the Last 30 Years
Fall 2008
Tentative Reading List**

- (articles) David Hilbert, *Mathematical Problems* and *Natural Philosophy and Logic*
- (book, 2 class days) G.H. Hardy, *A Mathematician's Apology*
- (video) *The Math Life*
- (book, 5 class days) Simon Singh, *Fermat's Enigma*
- (video) *The Proof*
- (articles) John Horgan, *The Death of Proof*
- (book chapter) The Myth of Talent, from Robert Kaplan and Ellen Kaplan, *Out of the Labyrinth*
- (book, 4 class days) Donal O'Shea, *The Poincaré Conjecture*
- (article) Sylvia Nasar and David Gruber, *Manifold Destiny*
- (video) *Flatland*
- (book, 3 class days) Mark Ronan, *Symmetry and the Monster*
- (book chapter) Reflections from Marcus Du Sautoy, *Symmetry* and Richard Elwes, *An Enormous Theorem*