Physics 152 / 252 – Introduction to Elementary Particle Physics
General Information

course meeting:	T Th 9:00 - 10:20 am, Hewlett Teaching Center 103
Professor:	Michael E. Peskin SLAC, Building 48, room 221 926-3250 Varian 326 (Tu Th mornings, or by appointment) mpeskin@slac.stanford.edu
Course Assistant:	Daniel Whalen Varian 323 (office hours: W 2:30 - 4:00 pm) dwhalen@stanford.edu
Textbook:	M. Thomson, *Modern Particle Physics* (recommended)
Web page:	`http://www.slac.stanford.edu/~mpeskin/Physics152/`

The course syllabus, lecture notes, problem sets and solutions, and links to the recommended reading will be posted on the course web page.

Brief course outline:

- Symmetries of nature; the quark model of hadrons
- Detection of elementary particles
- Current-current interaction and the parton model
- Quantum Chromodynamics
- Current-current interaction and the weak interactions
- W and Z bosons
- Weak interactions of heavy quarks, CP violation, neutrinos
- Higgs boson