PARTICLE PHYSICS
PHY 444 (Winter 2016)

INSTRUCTOR: R. Mann Room 377
TIME: Tuesday/Thursday 2:30 – 4:00
PLACE: PHY 313

TUTORIAL/OFFICE HOURS: Mondays 4:00 – 5:30
PLACE: QNC 2501

OUTLINE
(I) Overview and Review
(II) Symmetry and Particle Classification
(III) Equipment & Experimental methods
(IV) Scattering
(V) Quantum Electrodynamics
(VI) Strong Interactions
(VII) Weak Interactions
(VIII) Frontiers

EVALUATION
Assignments 35% / 50%
Midterm 25%
Endterm 25%
Essay 15% / 0%

You can choose to write an essay worth 15% of your grade on some topic in particle physics that interests you (in which case your assignment grade will be 35% of your final grade), or you can choose to do an extra assignment (in which case your assignment grade will be 50% of your final grade).