Reading: Chapter 5 from the textbook and class notes.

**Problem 1.** Bhabha scattering. Problem 5.2 in Peskin&Schroeder.

**Problem 2.** Physics of a massive vector boson. Problem 5.5 in Peskin&Schroeder.

**Problem 3.** Helicity formalism. Problem 5.3 in Peskin&Schroeder.

**Problem 4.** Helicity formalism for external photons. Problem 5.6 in Peskin&Schroeder.