In this class we discuss and explore some of the methods and principles that distinguish good reasoning from bad. We also learn how to use formal systems to evaluate everyday argumentation. By ensuring that we have a ready grasp between inductive and deductive standards of argument evaluation, we will better understand the enterprise of the sciences. Logic skills not only positively correlate to increased scores on the GRE or LSAT, but are critical in developing the clarity and precision needed in every field.