Lec 18 Antenna Examples and Radiation Patterns
What is a dBi?
What is a radiation pattern?
What is beam width?
What is the difference between an isotropic radiation pattern and an omnidirectional pattern?
Sketch a dipole antenna, the voltage distribution along it, and the current distribution along it.

How does the feedpoint impedance of a dipole relate to the current and voltage distributions on the antenna?
How does the length of a dipole antenna relate to the wavelengths it radiates? To the frequencies it radiates?
Draw an equivalent circuit model for a dipole.
What is radiation resistance? How is it different from loss resistance? What is the radiation resistance of a short dipole and a lambda/2 dipole?
How is the length of a dipole changed by capacitive loads? How does a monopole work?