

# **EE609: Radiating Systems**

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## **Course Outline**

1. Introduction to antennas
2. Review of dipole and loop antennas
3. Linear and planar arrays
4. Microstrip antennas
5. Helical antennas
6. Horn antennas
7. Reflector antennas
8. Yagi-Uda and log-periodic antennas

## **Reference Books**

1. C.A.Balanis, *Antenna Theory - Analysis and Design*, John Wiley & Sons, 1998
2. J.D.Kraus and R.J.Marhefka, *Antennas for all Applications*, McGraw Hill, 2003
3. G.Kumar and K.P.Ray, *Broadband Microstrip Antennas*, Artech House, 2003
4. J.R.James and P.S.Hall, *Handbook of Microstrip Antennas*, Peter Peregrinus, 1989
5. R.C.Johnson and H.Jasik, *Antennas Engineering Handbook*, McGraw Hill, 1984
6. W.L.Stutzman and G.A.Thiele, *Antenna Theory and Design*, John Wiley & Sons, 1981