

Faculty of Engineering & Technology**Antennas and Propagation****Information :****Course Code :** COM 521**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Specialization of Electronics & Communication**Instructor Information :**

Title	Name	Office hours
Lecturer	Ahmed Hosni Ali Mohamed Elghandour	2
Lecturer	Ahmed Hosni Ali Mohamed Elghandour	2
Assistant Lecturer	Ahmed Essam Fahim Zahran	5
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Description :

Antenna types and antenna parameters, Wire antennas: small wire antenna, dipoles, monopole, folded π loop antenna, helical antennas (normal, and axial)- travelling wave antenna (including rhombic antennas). Arrays: broadside- binomial- Chybeshev, end fire array, and phased arrays. Aperture antennas: open end waveguides (rectangular, and circular apertures). Horns: sectoral, pyramidal, and conical horns. Reflectors: single, double and corner reflectors. Lens antennas: dielectric and parallel plates. Wide band antennas (spiral- LPDA). Microstrip antennas.