

"Antenna Engineering" course guide

1. Objectives

A device whose primary purpose is to radiate or receive radio waves is called antenna. Wherever we are, we can see at least one or two antennas around us that are sending you signals or waiting for you to send signals toward them. The purpose of this course is to enable students to understand the basic concept of various antennas.

2. Outline of Class and Contents

- 1) Brief explanations of various antennas,
- 2) Transmission-line concepts,
- 3) Wave guide concepts,
- 4) Resonator concepts,
- 5) Radiation,
- 6) Antenna pattern calculation,
- 7) Practical examples of recently developed antennas.

3. Assessment policy

Report, final examination and attendance rate are taken into consideration.