



[Syllabus](#) | [Lectures](#) | [Downloads](#) | [FAQ](#) | [Ask a question](#) |

Course Co-ordinated by [IIT Delhi](#)

[NPTEL](#) >> [Courses](#) >> [Electronics & Communication Engineering](#) >> Wireless Communication (Video) >> Syllabus

Coordinators



Prof. Ranjan Bose
IIT Delhi

Syllabus

References

COURSE OUTLINE

The course covers lessons in types of Wireless Communication, Electromagnetic Spectrum, timeline of wireless communication development, its multimedia requirements, fading distributions, modulation techniques, channel coding techniques, wireless networks, GSM and CDMA architecture.

COURSE DETAIL

S.No	Topic
1	Motivation and Introduction
2	Types of Wireless communication
3	The modern wireless Communication Systems
4	The cellular concept - System Design issues
5	Cell capacity and reuse
6	Interference and System capacity
7	Improving coverage and system capacity
8	Mobile Radio Propagation
9	Mobile Radio Propagation Contd
10	Mobile Radio Propagation Contd
11	Mobile Radio Propagation Contd
12	Mobile Radio Propagation Contd
13	Mobile Radio Propagation Contd
14	Mobile Radio Propagation II
15	Mobile Radio Propagation II Contd
16	Mobile Radio Propagation II Contd
17	Mobile Radio Propagation II Contd
18	Mobile Radio Propagation II Contd
19	Mobile Radio Propagation II Contd
20	Mobile Radio Propagation II Contd
21	Modulation Techniques for Mobile Communication
22	Modulation Techniques (Contd.)
23	Modulation Techniques (Contd.)
24	Modulation Techniques (Contd.)
25	Modulation Techniques (Contd.)
26	Modulation Techniques (Contd.)
27	Modulation Techniques (Contd.)
28	Equalization and Diversity Techniques
29	Equalization and Diversity Techniques (Contd.)
30	Equalization and Diversity Techniques (Contd.)
31	Equalization and Diversity Techniques (Contd.)
32	Coding Techniques for Mobile Communications
33	Coding Techniques for Mobile Communications Contd
34	Coding Techniques for Mobile Communications Contd
35	Coding Techniques for Mobile Communications Contd
36	Wireless Networks
37	GSM and CDMA
38	GSM and CDMA Contd

Important: Please enable javascript in your browser and download [Adobe Flash player](#) to view this site
Site Maintained by Web Studio, IIT Madras. Contact Webmaster: npTEL@iitm.ac.in