



Course Outlines

Course Details:

Course Code : CSE 443 Credit hours: 3.0
Course Title : Mobile and Telecommunications
Program : CSE / CSIT
Semester : Fall 2016
Course Teacher : Tanusree Sharma
Lecturer, Dept. of CSE

Course Assessment:

The assessment components for evaluation of students are as follows:

Item/Activity	Marks (%)
Work Sheet (including class attendance and class tests)	25%
Assignment/ Presentation	10%
Mid-Term Test	25%
Final Examination	40%
Total	100%

Course Contents:

Lectures	Contents (Each lecture will be 1.5 hours duration)
Lecture-1	Introduction to Mobile Telecommunication and
Lecture-2	Introduction to Mobile Telecommunication and
Lecture -3	Path Loss Modeling
Lecture -4	GSM properties
Lecture -5	GSM properties
	Assignment/Presentation
Lecture -6	Signal Propagation
Lecture -7	Signal Propagation
Lecture -8	The cellular Concept system Design Fundamental
Lecture -9	Free space radio wave
	Class Test
Lecture -10	Mobile radio propagation
Lecture -11	Overview of Ericsson's GSM Systems
Lecture -12	Overview of Ericsson's GSM Systems
	Class Test

	Mid-Term
Lecture -13	CDMA
Lecture -14	CDMA
Lecture -15	Wireless Concepts
Lecture -16	Wireless Concepts
	Assignment/Presentation
Lecture -17	Channel Concepts
Lecture -18	Channel Concepts
	Class Test
Lecture -19	Switching System
Lecture -20	Switching System
Lecture -21	Base Station System
Lecture -22	Base Station System
Lecture -23	OSS and TMOS
	Class Test
Lecture -24	Overview
	Final Examination

Textbooks:	1 GSM-System-Survey-By-ERICSSON
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