Cellular, Mobile and Satellite Communication CSE-472

Course Objective

This Course is to expose the students to the most recent technological developments in Mobile and satellite communication systems. The Course considers the basic concepts Cellular Concepts and Different Types of Cells, Modulation Techniques for Mobile System, Components of Cellular Systems, Cell Coverage and Prediction Curves, Operation of Cellular Systems etc. This course also deals with various methodologies to improve the received signal quality in mobile communication

Pre-requistie

1. Wireless Networks

Syllabus

Synaous					
S.L	Topic	Topic Resources			
1	Introduction to Satellite Communication	Course-1			
2	Introduction to Cellular Communication	Course-2			
3	Orbits and Launching Methods	and Launching Methods <u>Youtube</u>			
4	Components of Cellular System	Repository			
5	Mobile Radio Propagation				
6	Modulation and Signal Processing				
7	Cell Coverage and Prediction Curves				
8	Operation of Cellular Systems				
9	Geostationary Orbit	Geostationary Orbit			
10	Earth Stations				

Marks Distribution

Total 100		100	
5	Assessment	20	Class test + Class attendance
4	Class test	-	C-1 (midterm), C-2 (final)
3	Lab	20	Quiz (lab resources)
2	Final	40	5 - 10
1	Midterm	20	1 – 4
S.L.	Exam	Mark	Syllabus

Instructor

Md Mahedi Hasan