TEL4215 BROADBAND AND ADVANCED COMMUNICATION

Hours per Semester				Weighted Total Mark	Weighted Exam Mark	Weighted Continuous Assessment Mark	Credit Units
LH	PH	TH	CH	WTM	WEM	WCM	CU
45	0	00	45	100	60	40	3

Rationale

This course discussed advanced concepts in communication systems engineering including the recent research topics

Course Objectives

To address the most recent developments in broadband communications for voice, data and video communication requirements as well as address other promising research and commercial communication technologies

Detailed Course Content:

Wireless broadband systems: Detailed discussion of 3G, HSDPA, LTE, Wimax, 4G, NGN, UWB, etc
Wire line broadband communications: the whole range of xDSL technologies, DWDM, etc
Broadband broadcast systems: Detailed discussion of broadband television and radio systems including DVB, DAB, EDTV etc
Other New technologies that may not have been known at the time of publication of this syllabus
Method of Teaching /Delivery

The course will be taught by using lectures, tutorials and assignments**. Mode of**

Assessment

Assignments, tests and final examination. Their relative contributions to the final grade are :

Requirement	Percentage contribution
Course work (Assignments, tests)	40%
Final examination	60%
Total	100%