

Electronic and Electrical Engineering

Mobile Communications Systems (MCS) (ELEC0102)**Description**

We focus on the detailed implementation of two key mobile systems, namely GSM and UMTS, from the viewpoints of system architecture, the physical layer and system implementation.

The 2.5 and 3.5/3.75 Generations are also discussed with a description of HSCSD, GPRS, EDGE, HSDPA and HSUPA.

Issues of network planning, mobile services and business are also considered, with a focus on the 802.11 (WiFi), 802.15 (Bluetooth and Zigbee) and 802.16 (WiMAX) standards.

Key information

Year	2018/19
Credit value	15 (150 study hours)
Delivery	PGT L7, Campus-based
Reading List	View on UCL website
Tutor	Prof Izzat Darwazeh
Term	Term 1
Timetable	View on UCL website

Assessment

■ Written examination (departmentally managed): 100%

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