



## Electronic and Electrical Engineering

## Communications Software and Systems Modelling (ELEC0086)

## Description

This module will give students an in-depth understanding of the theories, techniques and tools to model, analyse and simulate today's communications systems and networks. The complexity of communication and signal processing systems has grown considerably during recent decades. The emergence of a variety of new technologies (such as fast and inexpensive hardware for DSP, fibre optics, integrated optical devices and microwave ICs etc.) has had a significant impact on the implementation of communication systems. Computer-aided techniques are therefore vital for engineers to evaluate performance and optimise designs in a timely, cost-effective and effort-free manner. In this course students will consider both the physical layer (link-level) and the network layer (network-level) and the theory of modelling and practical applications using standard simulation packages.

## Key information

<b>Year</b>	2019/20
<b>Credit value</b>	15 (150 study hours)
<b>Delivery</b>	PGT L7, Campus-based
<b>Reading List</b>	<a href="#">View on UCL website</a>
<b>Tutor</b>	<a href="#">Prof Kit Wong</a>
<b>Term</b>	Terms 1 and 2
<b>Timetable</b>	<a href="#">View on UCL website</a>

## Assessment



- Written examination (departmentally managed): 50%
- Coursework: 50%

## Find out more

For more information about the department, programmes, relevant open days and to browse other modules, visit [ucl.ac.uk](http://ucl.ac.uk)