

MODULE NAME: Operating Systems and Networking

MODULE CODE: CO2101

MODULE DESCRIPTION: [Click to open.](#)

CREDITS: 15

PERIOD: Semester 1

DEPARTMENT: Informatics

INTENDED LEARNING OUTCOMES:

On completion of the module, successful students should be able to:

- Describe the basic functioning of an operating system such as Linux;
- Explain the basics of processes and memory management, and analyse simple problems involving these concepts;
- Describe the basic functioning of a file system. Work out problems involving these topics;
- Analyse concurrent code and explain how it works;
- Describe the main protocols used to communicate over the internet, and answer simple questions about them.
- Explain the basics of networking protocols and APIs for communication between computers, and be able to work out simple questions on these topics.

COORDINATOR: Rajeev Raman

TEACHING AND LEARNING METHODS:

Lectures, notes, textbooks, laboratory work, coursework, model answers, handouts, online support (eg videos, Q+A forum, webpages etc).

PRE-REQUISITES: -

TOTAL MODULE HOURS: 150

ASSESSMENT METHODS:

Coursework (100%).

GUIDED INDEPENDENT LEARNING: INDICATIVE ACTIVITIES:

Directed reading and videos, problem sets, writing note-based summaries, worksheets.