

COURSE MODULE INFORMATION

CT2108: Networks and Data Communications 1

Semester 2 | Credits: 5

This module provides students with theoretical and practical knowledge in the area of computer networks and data communications. It provides the student with a good introduction to communication networks including design principles, existing technologies and future technologies.

(Language of instruction: English)

Learning Outcomes

1. Understand the layered network architecture design and implementation
2. Understand the theoretical aspects behind data transmission and communication
3. Understand bandwidth limitations in relation to Modulation Complexity and Signal to Noise Ratio
4. Understand existing networking technologies and protocols
5. Analyze, design and implement communication protocols at various network layers

Assessments

Written Assessment (80%)

Continuous Assessment (20%)

Module Director

DESMOND CHAMBERS: [Research Profile](#) | [Email](#)

Lecturers / Tutors

DESMOND CHAMBERS: [Research Profile](#)

Reading List

1. "Computer networks" by Andrew S. Tanenbaum, David J. Wetherall
ISBN: 0132126958.
Publisher: Pearson Prentice Hall

The above information outlines module CT2108: "Networks and Data Communications 1" and is valid from 2015 onwards.

Note: Module offerings and details may be subject to change.