

# Module Introduction

```
module = Module(  
    code="ELEE1157",  
    name="Network Routing Management",  
    credits=15,  
    module_leader="Seb Blair BEng(H) PGCAP MIET MIHEEM FHEA"  
)
```

# Module Aims

To develop [your] knowledge of the protocols used in both large organizations and in internetworking; to enable [you] to appreciate the issues that need to be addressed in the development and management of a large computer network system; to equip [you] with practical router-configuration skills and use appropriate tools to analyse networking protocols and knowledge to design and implement the repair; to allow for critical reflection upon the technologies used in LANs and their social consequences.

# Module Learning Outcomes

On successful completion of this module a student will be able to:

[1] Create policies for and configure appropriate routing protocols in a large network.

[2] Analyse and solve problems involving the applications and configuration of hardware and software components of a communications network.

[3] Compare and contrast in practical design and implementation of LANs within given parameters and have the ability to choose the appropriate technology for a given situation.

[4] Apply diagnostic tools and configure a network to specific design specifications to support a wide range of networked environments.

# Assessments

- Coursework (100%).
  - L0: 1-4.
  - Grading Mode: Numeric.
  - Pass Mark: 40%.
  - Word Length: 1750.
  - Outline Details: Challenge based networking scenarios.
  - Coursework: 100% weighting, 40% pass mark.
- Overview:

Your class forms a distributed IT response team for a temporary network deployment using Raspberry Pi routers. Each team manages one Pi acting as a routed node connected to others over Ethernet. The node also provides 5GHz Wi-Fi access to local devices.