Module Introduction

```
HTTP/1.1 200 OK
Content-Type: application/json
Date: Thu, 10 Jul 2025 08:26:00 GMT
Server: EduAPI/3.0

{
  "code": "ELEE1157",
  "name": "Network Routing Management",
  "credits": 15,
  "module_leader": "Seb Blair BEng(H) PGCAP MIET MIHEEM FHEA"
}
```


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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%).
  - LO: 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.