Topics/Content/Outline
Topics include: Implementing a web server; implementing a mail server; identifying security issues related to the servers; implementing measures that nee to be taken to protect the servers.

Expanded Outcomes
Outcome 1 Plan and organise Web site infrastructure for Intranet and Internet • Describe the role of TCP / IP in the development and structure of the Internet. • Describe the properties and transfer methods associated with HTTP • Describe the evolution and relative merits of different server distributions   (Range: CERN, NCSA, APACHE)

Outcome 2
Install and configure an Internet server
• Install and configure bttp
• Implement error tracking and login procedures
• Implement and configure facilities for CGI scripting
• Establish a logical file and directory structure
  (Range: image areas, file upload / download areas cashing)
• Establish and implement directory security
• Implement and configure http server forums
• Implement and configure a local site search facility
• Establish restrictions to control access
  (Range: IP number, port, login and password)
• Implement and configure a mechanism for statistics generation, charging and reporting

Outcome 3: Demonstrate use of software tools for developing a Web site
Outcome 4: Install and configure a Web browser (Range: list provided to class) • Demonstrate the installation of one of the commonly used Web browsers • Configure a commonly used Web browser
Outcome 5: Install and configure a proxy server • Explain the reasons for installing a proxy server   (Range: behind firewall, performance, document cache, shortage of real IP addresses) • Discuss the issues associated with caching • Explain how a proxy server can be used to control access to Internet resources • Install a proxy server • Configure a local address table (LAT) • Configure a proxy server for use
Outcome 6: Install and configure a mail server • Explain how a mail server can be configure to control services   (Range: access limitations, passwords, aliases, file types, mail forwarding and redirection) • Install a mail server • Configure a mail server for use
Outcome 7: Describe the copyright and privacy issues associated with the Internet • Describe the implications of copyright in relation to Web site administration • Describe the implications of privacy in relation to Web site administration
Outcome 8: Identify and discuss Internet security issues • Identify the major security issues affecting the Web • Describe the impact of electronic fraud in relation to Internet access