Subject Knowledge

Aims
The module will give the student a basic grounding for accessing and disseminating data across the Internet with special focus on the World Wide Web.

Learning Outcomes
Students will be able to give a coherent account of the basic technology, organisation and architecture of the Internet and the World Wide Web. They will be able to discuss the issues of Internet security and relate these to a given scenario. Students will be able to use Internet search tools to find information. They will be able to create and write static web pages using appropriate layout and graphics etc. Students will be able to organise and maintain a web site of moderate size.

Methods
Lectures, laboratory classes, recommended reading, worksheets, additional hand-outs and web support.

Assessment
Marked coursework, traditional written examination.

Skills

Aims
To teach students how to methodically solve problems given the techniques available to them.

Learning Outcomes
Students will be able to identify information needs; retrieve information relevant to those needs; organize and present information for dissemination.

Methods
Lectures, laboratory classes, and web support.

Assessment
Marked coursework, traditional written examination.

Explanation of Prerequisites
This is a basic introductory course and hence no prerequisites are required.

Course Description
The rapid growth of the Internet has affected all areas of life including how students of all disciplines obtain and present data. One of the easiest ways of doing this is via the World Wide Web, eg an Arts student may want to produce an on-line bibliography or web site of literary resources, while a Science student may want to make various data sets available on the Web.
This course will teach students how to collect data by searching the Web and how to create and maintain a website for disseminating such information. As such the course will cover the structure of the Internet and Web, the construction and maintenance of a web-site and issues pertaining to the security of web-sites.

**Detailed Syllabus**


**Reading List**


**Resources**

Lecture slides, web page, study guide, worksheets, handouts, past examination papers, lecture rooms with data-projector and OHP, laboratory access.

**Module Evaluation**

Course questionnaires, course review.