

# Informatics B001: Introduction to Technology

## COURSE OUTLINE

Catalogue Number	3167-0000
Category	Informatics
Prerequisite Course	None required

### Overview

Technology takes many forms in today's world. The Introduction to Technology course explores the fundamentals of technology education while broadening awareness about the pervasiveness of technology in our daily lives.

The course begins with a discussion of the definition of technology, and then goes on to deal with technology and its importance in other disciplines. Computer technology—both hardware and software—and the Internet are presented and explained in a thorough manner, and the course concludes with a practical lesson on Internet searches.

The course makes significant use of hands-on activities, including interactive graphics and animations, as well as self-tests.

### Lesson 1: Introduction to Technology

- The Definition of Technology
- The Classes of Technology
- Technological Systems
- Examples of Technology
- The Benefits of Technology
- The Ethics of Technology

## **Lesson 2: Technology and Other Disciplines**

- Technology and Education
- Technology and Medicine
- Technology, Entertainment, and Art Technology and the Retail Industry Technology and Agriculture Technology and Engineering
- Technology and the Tourism Industry

## **Lesson 3: Introduction to Computers: Definition and Components**

- The Definition of Computers
- Types of Computers
- Hardware
- Software
- Data and Data Transfer
- Operating Systems
- The Components of Computers

## **Lesson 4: Introduction to the Internet**

- What is the Internet?
- History
- World Wide Web
- Web Browsers and HTML
- The Client/Server Model
- Hardware
- Impact

## **Lesson 5: Internet Search Skills**

- The Purpose of Searching the Web
- Web Search Engines
- Optimizing Search Results
- Filtering Search Results
- Search Operators
- Identifying Credibility