

**MODULE: INFORMATION TECHNOLOGY**

**Code:** BAIH-1-1-09  
**Unit Title:** Information Technology  
**Semester:** A1  
**Stage:** 1  
**Theme:** Information Technology Management  
**Number of Credits:** 4 semester credits / 6 quarter units

**INTRODUCTION**

This module aims to ensure that students appreciate the central role of information in the international hospitality industry. It aims to give them a thorough understanding of the technology such that they are able to identify appropriate applications and make informed decisions. Students will be introduced to the PC environment, giving them the confidence and ability to manipulate software packages in this environment

**AIMS**

- To provide students with an insight into the core concepts of information systems
- To give students the opportunity to examine the use and benefits of emerging technologies and their application in the international hospitality industry
- To ensure all students have sufficient practical computer skills to facilitate their study and project work in all modules of the degree programme

**LEARNING OUTCOMES**

On completion of this module successful students will be able to:-

- Demonstrate the essential analytical skills to support an accurate and rigorous approach to decision making.
- Appreciate the basic management of operations.
- Construct management information from data to help solve problems.
- Identify and describe the features of the office components necessary for a complete computer system.
- Demonstrate awareness of the basic concepts involved in Information Technology and its application in the decision making process and in planning and controlling company resources.

**SYLLABUS**

Theory

- Information Technology, The basic concepts
- Evolution of computers
- Types of Computers
- Components of a computer

- Data, Information & Knowledge
- Modern Computer Systems

#### Hardware

- Input, Output
- Units of Data Storage
- RAM, ROM
- Performance Characteristics
- Storage, Memory Devices

#### Software

- Operating Systems
- Application Software
- GUI
- Systems Development

#### Data Communication

- Information Networks
- Topology
- Telecommunications Devices
- The Internet
- Services on the Internet
- E-mail
- E-Commerce

#### Information Technology & The Hospitality Industry

- Office Systems
- Office Automation
- Financial Applications
- Accounting Systems
- Databases
- Management Information Systems
- Industrial Systems
- Data Processing

#### Software Applications Word-processing

- Editing, layout, presentation
- Spreadsheets
- Use of formulae, data manipulation,
- Graphical representation of data, sensitivity analysis

#### Databases

- File creation, file linking, file updating and interrogation
- Operating Systems
- Data Protection
- Computer Viruses

#### E-Application Development

- Web Site Development
- Introduction to Web page development
- Layout & Performance

## **WORKLOAD**

Contact:	45 hours
Directed Learning:	30 hours
Independent Learning:	45 hours
<b>Total</b>	<b>120 hours</b>