

Faculty of Economics and Political Science

Introduction to Computer

Information :

Course Code : CSC 101

Level : Undergraduate

Course Hours : 2.00- Hours

Department : University Requirments

Area Of Study :

Introduction to information technology: an introduction to digital world . The internet and the world wide Web: exploring Cyberspace . Software: tools for productivity and creativity . Hardware: CPU and storage system . Input and Output: taking charge of computing and communications . Communication, networks . Personal technology . Databases and information systems: digital engines for today's economy . Challenges of the digital age: society and information technology . System analysis and programming: software development, programming and languages.

Course Goals:

- Introduce to the world of computers and internet.
- Allow students to appreciate the importance of the field and its modern day challenges.
- Acquire working information about the computer and internet.
- Understand the importance of technology in building up economies.
- Assess the challenges facing the world in the digital age.

Description :

Introduction to information technology: an introduction to digital world . The internet and the world wide Web: exploring Cyberspace . Software: tools for productivity and creativity . Hardware: CPU and storage system . Input and Output: taking charge of computing and communications . Communication, networks . Personal technology . Databases and information systems: digital engines for today's economy . Challenges of the digital age: society and information technology . System analysis and programming: software development, programming and languages.

Course outcomes :

a.Knowledge and Understanding: :

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|-----|---|
| 1 - | Define computer literacy and understand its importance in contemporary society. |
| 2 - | Identify, describe, and use various Internet technologies. |

b.Intellectual Skills: :

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|-----|---|
| 1 - | Analyze the uses of various types of computer software. |
| 2 - | Criticize basic computer maintenance, troubleshooting, and upgrading. |

c.Professional and Practical Skills: :

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| 1 - | Use multimedia to enhance the way a computer presents information. |
| 2 - | Employ the functions of various computer hardware components. |

d.General and Transferable Skills: :

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| 1 - | Evaluate the importance of computer and Internet security. |
| 2 - | Explain networking concepts to set up and maintain a basic home network. |

Course Topic And Contents :

| Topic | No. of hours | Lecture | Tutorial / Practical |
|--|---------------------|----------------|-----------------------------|
| An introduction to digital world | 2 | 1 | |
| The internet and the world wide Web: exploring Cyberspace | 2 | 1 | |
| Software: Tools for productivity and creativity | 4 | 2 | |
| Hardware: CPU and storage system | 2 | 1 | |
| Input and Output: taking charge of computing and communications | 4 | 2 | |
| Midterm Exam | | 1 | |
| Communication, networks | 2 | 1 | |
| Personal technology | 2 | 1 | |
| Databases and information systems: digital engines for today's economy | 4 | 2 | |
| Challenges of the digital age: society and information technology | 2 | 1 | |
| System analysis and programming: software development, programming and languages | 2 | 1 | |
| Final Exam | | 1 | |

Teaching And Learning Methodologies :

Data show and computer in lectures
 Demonstration videos
 Group discussion
 Research Paper

Course Assessment :

| Methods of assessment | Relative weight % | Week No | Assess What |
|---|--------------------------|----------------|--|
| Course Work (Attendance, Participation, Assignments, Quizzes, Research Paper, D | 30.00 | | To assess understanding and theoretical background of the intellectual and practical skills. |
| Final Exam | 40.00 | 15 | assess knowledge and intellectual skills. |
| Midterm Exam | 30.00 | 8 | assess professional skills. |

Books :

| Book | Author | Publisher |
|--|-----------------|------------------|
| Computer fundamentals for technical students (Ebook) | Heisserer, Nick | LibreTexts |

Recommended books :

June Jamrich Parsons and Dan Oja, New Perspectives on Computer Concepts 2013: Introductory (15th Ed.), New Perspectives, 2012.