

**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 :**

<b>Topic</b>	<b>No. of hours</b>	<b>Lecture</b>	<b>Tutorial / Practical</b>
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 :**

<b>Methods of assessment</b>	<b>Relative weight %</b>	<b>Week No</b>	<b>Assess What</b>
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 :**

<b>Book</b>	<b>Author</b>	<b>Publisher</b>
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.