

Institute of Administrative Sciences
Faculty of Business, Economics, and Administrative Sciences
University of the Punjab, Lahore
Course Outline



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| Programme | BS Management | Course Code | BEC-202 | Credit Hours | 3 |
| Course Title | Management Information Systems | | | | |
| Course Introduction | | | | | |
| This course will provide a managerial perspective of information systems and what role they play in an organization. Student learn about the modern technologies and how organizations can use these technologies for their growth. | | | | | |
| Learning Outcomes | | | | | |
| After the completion of this course the students will be able to: | | | | | |
| <ul style="list-style-type: none"> • Understand the concept of information systems • Know the importance of MIS in business success. • Be aware of different information technology applications in business environment. • Understand the relationship between MIS and decision makers for strategic business decision. | | | | | |
| Course Content | | | | Assignments/Readings | |
| Week 1 | Unit – 1: Management Information System 1.1 Definition of MIS 1.2 Various types of Information Systems 1.3 The purpose of Information Systems 1.4 History of information systems and its implications 1.5 Application software 1.6 Basic components etc. 1.7 Using information technology for electronic commerce 1.8 Elements of computer-based information system (CBIS) | | | | |
| Week 2-3 | Unit – 2: People, Organizations, Systems & Management 1.9 Characteristics of people and groups in organization that often affect the design and performance of Information Systems 2.1 The MIS function in organizations 2.2 System 2.3 The common types of systems and models in the field of MIS 2.4 Contingency based management | | | | |

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| | 2.5 Management, Decision Making and Information Systems | |
| Week 4-8 | <p>Unit – 3: Management Information Systems in Practice</p> <p>3.1 Transaction Processing System (TPS)</p> <p>3.2 The characteristics of TPS</p> <p>3.3 The Transaction Processing Cycle</p> <p>3.4 Management Reporting System (MRS)</p> <p>3.5 Various types of reports generated through MRS</p> <p>3.6 The Decision Support System (DSS)</p> <p>3.7 Types of processing tasks performed by DSS</p> <p>3.8 The characteristics of Group Decision Support System (GDSS)</p> <p>3.9 The Executive Information System (EIS)</p> <p>3.10 Artificial Intelligence</p> <p>3.11 The components of an Expert System</p> <p>3.12 Expert System</p> <p>3.13 Office Automation</p> <p>3.14 Definition of Office Information System (OIS)</p> <p>3.15 Types of OA Systems</p> <p>3.16 The study of Message Handling Systems</p> <p>3.17 Teleconferencing applications and types</p> <p>3.18 Office Support Systems</p> <p>3.19 Functional area of business</p> <p>3.20 How technology can support the decision activities of the finance function</p> <p>3.21 Financial information systems and the sources of financial information</p> <p>3.22 Human Resource Information Systems (HRIS)</p> | |
| Week 9-11 | <p>Unit – 4: Information System Design and Development</p> <p>4.1 What is System Development Life Cycle (SDLC)?</p> <p>4.2 Stages of System Development</p> <p>4.3 Preliminary Investigation</p> <p>4.4 Requirements Analysis, System Design, System Acquisition</p> <p>4.5 System Implementation & Maintenance</p> <p>4.6 Study of various Approaches to System Development</p> <p>4.7 The Traditional Approach</p> | |

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| | 4.8 Prototyping Approaches 4.9 End User Development | |
| Week 12-14 | Unit – 5: Current Focus on Information Use 5.1 Problems in implementing global information systems 5.2 GIS implementing strategies | |
| Week 15-16 | Unit – 6. Ethical Implications of Information Technology 6.1 Moral, Ethics and the Law 6.2 Ethics and the information services 6.3 Codes of Ethics | |

Textbooks and Reading Material

- Brien, James O. (2010). Management Information System (10th Edition), London: McGraw-Hill Higher Education.
- Laudon, Kenneth C. & Laudan Jane P (2021). Management Information System: Managing the Digital Firm (17th Edition), New York: Pearson.
- Long, Larry & Long, Lacy. (2004). Introduction to Computer Information Systems (1st Edition), Virginia: Strayer University
- McLeod, Raymond. (2006). Management Information System (10th edition). New York: Pearson.

Teaching Learning Strategies

This course makes use of interactive teaching and learning strategies which engage students to promote critical and reflective thinking, research and evaluation skills that will help them become better learners and enhance their skill set. Students will use personal and social capability to collaboratively work with others in learning activities, appreciate their own strengths and abilities and those of their peers, enabling them to develop a range of interpersonal skills such as communication, negotiation, teamwork, leadership and an appreciation of diverse perspectives.

Assignments: Types and Number with Calendar

Will be decided by the course instructor

Assessment

| Sr. No. | Elements | Weightage | Details |
|---------|----------------------|-----------|---|
| 10. | Midterm Assessment | 35% | Written Assessment at the mid-point of the semester. |
| 11. | Formative Assessment | 25% | Continuous assessment includes: Classroom participation, assignments, presentations, viva voce, attitude and behavior, hands-on-activities, short tests, projects, practical, reflections, readings, quizzes etc. |

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| 12. | Final Assessment | 40% | Written Examination at the end of the semester. It is mostly in the form of a test, but owing to the nature of the course the teacher may assess their students based on term paper, research proposal development, field work and report writing etc. |
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