

HAILEY COLLEGE OF COMMERCE
UNIVERSITY OF THE PUNJAB, LAHORE

Course Title: Enterprise Resource Planning

Course Code: BSC-302

Program: BS Commerce

Credit Hours: 03

Semester: 05

1.0 Introduction of the Course (100-150 words)

This course is designed to acquaint students with Enterprise Resource Planning (ERP) systems, with an emphasis on computerized accounting and financial software. It explores the functionalities, operations, and reporting capabilities of these systems, enabling students to understand modern accounting practices through ERP. Furthermore, the course establishes a foundation for management reporting by integrating up-to-date technologies that meet the current demands of the finance profession

2.0 Pre-Requisites Course (s) or Other Requirements/Skills:

- 1) Introduction to Information Technology
- 2) Advanced Financial Accounting
- 3) Management Accounting

3.0 Course Objectives

- 1) Understand basic business functional areas and explain their interrelationships.
- 2) Demonstrate how fragmented information systems can hinder effective business decision-making.
- 3) Illustrate and explain how integrated information systems enhance a company's success by providing accurate, consistent, and up-to-date data to business managers.
- 4) Comprehend how Enterprise Resource Planning (ERP) software optimizes business processes.
- 5) Gain hands-on experience with commercial ERP software applicable to future professional work.
- 6) Understand the role of analytics and business intelligence within an integrated enterprise system environment.

4.0 Course Learning Outcomes

By the end of this course, students should be able to:

- 1) Demonstrate a solid understanding of fundamental concepts in Enterprise Systems.
- 2) Explain the scope and functionalities of various Enterprise Systems, such as Financials, Supply Chain, CRM, and HRM.
- 3) Identify and discuss the challenges and impacts associated with implementing enterprise systems within organizations.
- 4) Describe the processes involved in selecting, acquiring, and implementing enterprise systems.
- 5) Utilize a popular ERP package to enhance business operations and support decision-making.
- 6) Assess and communicate an organization's readiness for enterprise system implementation with a professional approach in written form.

5.0 Course Contents:

Unit-I

1. Enterprise Resources Planning (ERP)

- 1.1. Types of ERP.
- 1.2. Types of ERP Consultants
- 1.3. ERP Share in the Market
- 1.4. Basic Function of ERP
- 1.5. SAP Meaning
- 1.6. Comparison Between SAP, Oracle, and Microsoft Dynamics

Unit-II

2. SAP ERP Implementation Phases/System Development Life Cycle of ERP (SDLC)

- 2.1. SAP ERP Implementation Phases/System Development Life Cycle of ERP (SDLC)

Unit-III

3. The Accounting Information System

- 3.1. AIS subsystems
- 3.2. Salient Features of Computerized Accounting
- 3.3. Information System Framework
- 3.4. Accountancy in ERP
- 3.5. Definition of Accounting
- 3.6. Management Information System (MIS)
- 3.7. Types of Management Information Systems
- 3.8. Benefits of SAP Business One
- 3.9. Types of Vouchers

Unit-IV

4. Administration Module

- 4.1. Administration Control
- 4.2. Administration Control - Change Company
- 4.3. Administration Control - Change Password
- 4.4. Administration Control Data Utilities

Unit-V

5. Financials Module Financials-

- 5.1. Chart of Accounts – Basic Setup
- 5.2. Financials – Supplier
- 5.3. Financials – Customer
- 5.4. Financials- Journal Voucher
- 5.5. Financials- Setup in different tabs
- 5.6. Financials- Assets Master Data
- 5.7. Financials- Journal
- 5.8. Financials- Journal Setup and Transaction
- 5.9. Financials- General Ledger
- 5.10. Financials- Journal Entries
- 5.11. Financials- Budget Setup
- 5.12. Cost Accounting
- 5.13. Sales Opportunities
- 5.14. Financial Reporting

Unit-VI

6. Business Partner

- 6.1. Business Partner Master Data Management -Customers
- 6.2. Business Partner Master Data Management – Supplier
- 6.3. Business Partner Master Data Management – Leads
- 6.4. Business Partners Grouping

Unit-VII

7. Inventory Module

- 7.1. Inventory Process Flows – Overview
- 7.2. Inventory - Item Master data
- 7.3. Inventory -Items Grouping
- 7.4. Inventory -Inventory Transfer
- 7.5. Inventory -Warehouse Movement

Unit-VIII

8. Purchase Module

- 8.1. Purchase Module – Generation of Quotations
- 8.2. Purchase Module – Generation of Purchase Order
- 8.3. Purchase Module – Goods Receipt Purchase Order
- 8.4. Purchase Module – Return
- 8.5. Purchase Module – A/P Invoice
- 8.6. Purchase Module – Credit memos

- 8.7. Payable / AP Module – Generation of Invoices
- 8.8. Financial – Payment Processing
- 8.9. Purchase Department Process Flows - Overview
- 8.10. Payable – Overview

Unit-IX

9. Sales Module

- 9.1. Sales /AR Module – Sales Order Generation
- 9.2. Sales /AR Module – AR Receipt Generation and Payment Process
- 9.3. Sales /AR Module – Delivery
- 9.4. Sales /AR Module – Return
- 9.5. Sales /AR Module – A/R Invoice
- 9.6. Sales /AR Module – Credit Memos
- 9.7. Sales Department Process Flows - Overview

Unit-X

10. Banking Module

- 10.1. Banking (AP/AR) Process Flows – Overview
- 10.2. Banking - Incoming Payments
- 10.3. Banking - Outgoing Payments
- 10.4. Banking - Payment means
- 10.5. Banking - Payment on Account

Unit-XI

11. Production Module

- 11.1. Production Process Flows – Overview
- 11.2. Production - Bill of Material
- 11.3. Production - Production Order
- 11.4. Production - Issue for Production
- 11.5. Production - Receipt from Production

6.0 Teaching-Learning Strategies

The course will use diverse instructional methods, including:

- **Lectures:** To present and clarify fundamental concepts and theories.
- **Practical/ Lab work:** Hands-on activities and exercises designed to apply theoretical knowledge in real-world scenarios and enhance practical skills.
- **Discussions:** To promote engagement and facilitate a deeper understanding through interactive dialogue.
- **Presentations:** To demonstrate and expand on course material and case studies.
- **Quizzes:** To measure understanding and retention of the content.
- **Assignments:** To apply concepts in practical scenarios and reinforce learning.

7.0 Assignments-

Students will need to submit assignments, quizzes, and presentations regularly throughout the semester according to the provided semester calendar. Typically, these submissions are due during the 3rd week (second lecture), the 6th week (second lecture before the midterm), and before the final exam.

8.0 Assessment and Examinations:

9.0 Textbooks

SAP Enterprise Resource Planning (ERP) Edition 2024 by Prof. Salaih Muhammad – Azeem Publisher, Lahore Pakistan

10. Suggested Readings

10.1 Books

1. SAP Fico by SAP Corporation latest edition
2. Enterprise Systems for Management by Motiwala
3. Padhi, S. N. (2013). SAP® ERP financials and FICO handbook. Jones & Bartlett Learning