CBN COLLABORATIVE POSTGRADUATE PROGRAMME
DEPARTMENT OF BANKING AND FINANCE, AHMADU BELLO UNIVERSITY
WORK PLAN
NAME OF LECTURER:
COURSE: BKFN 836 ENTERPRISE SYSTEMS

STUDY WEEK	TOPIC SUB-TOPIC	RESULTSLEARNING	TIME Hrs	METHODS	Suggested Videos
1	**1.0 ERP Overview** 1.1 Introduction to ERP 1.2 Overview of ERP 1.3 What is ERP? 1.3.1 The Ideal ERP System 1.3.2 Implementation of an ERP System 1.4 Evolution of ERP 1.5 Reasons for Growth of ERP 1.6 Benefits of ERP 1.7 Failure of ERP Implementation 1.8 Integrated Data Model 1.9 Integrated Management Information 1.10 Business Modelling 1.11 Summary	The student can: ✓ Describe enterprise resource planning ✓ State the growth reasons of ERP ✓ Explain the ERP benefits ✓ Discuss integrated data model and business modelling	3	✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources.	There are many good videos available on the Internet.

2	**2.0 ERP and related technology** Introduction 2.1 Why Process Re-engineering? 2.2 What Re-engineering is and is not? 2.3 How Re-engineering is different from Process Improvements? 2.4 Characteristics of BPR 2.5 Business Process Redesign: An Overview 2.5.1 What is Business Process Redesign? 2.5.2 How does BPR differ from TQM? 2.5.3 Process Improvement (TQM) versus Process Innovation (BPR) 2.6 What is a Business Process? 2.6.1 Davenport and Short (1990) prescribe a Five-step Approach to BPR 2.6.2 Customer Focus and Outcome Orientation 2.7 ERP and BPR 2.8 Management Information System (MIS) 2.9 Decision Support Systems (DSS) 2.10 Executive Information System (EIS) 2.11 Data Warehousing 2.12 Data Mining 2.13 Online Analytical Processing 2.14 Supply Chain Management 2.14.1 Managing the Chain 2.14.2 Supply Chain Management Problems 2.14.3 Supply Chain Business Process Integration	✓ State the need for business process re-engineering ✓ Describe management information system, decision support system and executive information system ✓ Discuss the concepts data warehousing and data mining ✓ Explain the concept of supply chain management		✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources	

	2.14.4 Distribution Supply Chain Feature Highlights 2.15 Summary				
3	**3.0 Business process re-engineering** Introduction 3.1 Process Models 3.2 Business Process Re-engineering 3.3 Concept of BPR 3.4 Requirement of BPR 3.4.1 Methodology 3.4.2 Process Modelling Tool 3.5 History of BPR 3.6 BPR Life Cycle 3.7 Elements of BPR 3.7.1 Strategies 3.7.2 Processes 3.7.3 Technology 3.7.4 People 3.8 Advantages of BPR 3.9 BPR Challenges 3.10 Implications of Business Process Re-engineering 3.11 Summary	✓ Discuss the concept of BPR ✓ State the characteristics of BPR ✓ Know the history of BPR ✓ Identify elements of BPR ✓ Discuss BPR challenges		✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet	

				based resources	
4	**4.0 manufacturing perspective of ERP** Introduction 4.1 Manufacturing Information Systems 4.2 Computer-aided Design (CAD) 4.3 Computer-aided Manufacturing (CAM) 4.3.1 Applications of Computer-aided Manufacturing 4.3.2 Origin of CAD/CAM 4.4 Material Requirements Planning (MRP) 4.5 Bill of Material (BOM) 4.6 Manufacturing Resource Planning (MRPII) 4.7 Distribution Requirement Planning 4.8 Physical Distribution Management 4.9 Make-to-stock 4.10 ERP for Make-to-order 4.11 Assemble-to-order 4.12 Engineer-to-order 4.13 Confgure-to-order 4.14 Summary	✓ Discuss manufacturing information system ✓ Describe CAD/CAM, MRP-I and II ✓ Realise the use of bill of material ✓ Explain physical distribution management	3	✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources.	
5	**5.0 ERP Modules** Introduction 5.1 Modules of ERP 5.1.1 Functional Modules of ERP Software 5.1.2 Manufacturing and Logistics Modules	✓ Discuss the modules of ERP ✓ Explain the finance module and plant maintenance module ✓ State the need for quality management		✓ The students will learn through a combination of face – to - face contact and guided study.	These are good resources on the internet

	5.2 Finance Module 5.3 Controlling 5.4 Plant Maintenance 5.5 Quality Management 5.6 Production Planning and Material Management 5.6.1 Materials Management 5.6.2 Inventory Management and Warehouse Management 5.6.3 Production Planning 5.7 Summary	✓ Describe the material management module of ERP		✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources.	
6	**6.0 ERP Benefits** Introduction 6.1 Benefits of ERP 6.2 Reduction in Cycle Time 6.3 Reduction of Lead Time 6.4 Reduction in Cost 6.5 Improved Resource Utilization 6.6 Improved Supplier Performance 6.7 Increased Flexibility 6.8 Improved Information Accuracy and Decision-making Capabilities 6.9 Better Customer Satisfaction 6.10 On-time Shipment 6.11 Summary	✓ State the benefits of ERP ✓ Realise how to bring about reduction in cycle time and lead time ✓ Identify how resource utilization is improved ✓ Explain how supplier performance is improved	3	✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study	A. Slide Power Point and Tutorial Note

				analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources.	
7	**7.0 ERP market** Introduction 7.1 ERP Market 7.2 SAP and its Technology 7.2.1 SAP Advantages 7.2.2 Weakness 7.3 BAAN Company 7.4 Oracle Corporation 7.5 PeopleSoft 7.6 J.D. Edward World Solution Company 7.7 SSA Inc 7.8 QAD 7.9 Summary	✓ State the trends in ERP market ✓ Discuss SAP and its technology ✓ Know about People Soft and BAAN		✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide	

				range internet based resources.	
	MID-SEMESTER BREAK				
8	**8. ERP implementation Lifecycle** Introduction 8.1 ERP Implementation Lifecycle 8.2 ERP Implementation Methodology 8.3 Strategies to Attain Success 8.3.1 User versus Technology Focus 8.3.2 Governance and Staffing 8.3.3 Time-box Philosophy 8.3.4 Supplier/Consultant Role in ERP 8.3.5 ERP Implementation – Roles and Responsibilities Guide 8.4 User Training 8.5 Maintaining ERP 8.6 Summary	✓ Discuss the ERP implementation cycle ✓ Explain project planning phase ✓ Realise the gap analysis ✓ Identify the need of end user training	3	✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources.	A. Slide Power Point
9	**9.0 ERP vendors, consultants and users** Introduction 9.1 Vendors 9.1.1 Role of Vendors	✓ State the role of ERP vendors ✓ Explain the role of ERP consultants		✓ The students will learn through a combination of	

	9.1.2 Tips for ERP Vendor Selection 9.1.3 ERP Consultants Charge a High Fee 9.1.4 Role of Vendor Comparison 9.2 Consultants 9.3 End-users 9.4 In-house Implementation: Pros and Cons 9.5 Summary	✓ Discuss about ERP users		face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources. ✓ Lectures, tutorials and field trip/industrial visit (if any).	
10	**10.0 ERP future Directions** Introduction 10.1 New Market 10.2 New Channels 10.3 Future Directions in ERP 10.4 Faster Implementation Methodologies 10.5 Application Platforms 10.6 New Business Segments 10.7 Web Enabling & Snapshot	✓ Know about new markets and new channels ✓ Discuss the faster implementation methodology ✓ Identify new business segment		✓ The students will learn through a combination of face – to - face contact and guided study.	

	10.8 Business Models and Business Application Programming Interfaces (BAPIs) 10.9 Summary	✓ State the concept of web enabling		✓ Personal contact sessions will include: Presentations, Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources. ✓ Lectures, tutorials and field trip/industrial visit (if any),	
11	**11.0 ERP II** Introduction 11.1 Exploring ERP-II 11.1.1 Enterprise Systems in Retrospect 11.1.2 New Business Requirements 11.2 What are the Added Features in ERP II? 11.3 What the Future Holds for ERP? 11.4 An Introduction into Open Source ERP Technologies 11.5 What are the Facilities Offered by Web-enabled ERP Services? 11.6 Benefits of ERP Logistics Package	✓ Discuss the concept of ERP-II ✓ State the added features in ERP-II ✓ Explain the open source ERP technologies ✓ Realise the ERP logistics package benefits	3	✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Personal contact sessions will include: Presentations,	

	11.6.1 Central Components 11.6.2 Corporate Components 11.6.3 Collaborative Components 11.6.4 The Adoption of Next-generation Enterprise Systems 11.7 Summary			Case Study analysis and Quizzes. ✓ Guided study will include text readings and the use of a wide range internet based resources. ✓ Lectures, tutorials and field trip/industrial visit (if any).	
12	**12.0 Building and Deploying an information system** Introduction 12.1 Information System Architecture 12.2 Software Development Lifecycle 12.2.1 Feasibility Study 12.2.2 Systems Analysis 12.2.3 Systems Design 12.2.4 Implementation 12.2.5 Maintenance 12.3 Software Development Models 12.4 Requirement Analysis & Design Considerations 12.4.1 Requirement Analysis 12.4.2 Design Considerations 12.5 Software Testing 12.5.1 Testing Linked to Phases of Development	✓ Understand information system and architecture ✓ Explain SDLC ✓ Describe software development cycle ✓ Discuss concept of software testing		✓	

	12.5.2 Planning for Testing 12.6 Deploying an Information System 12.7 Summary				
13	13.0 **Case study** 13.1 ERP SAP implementation 13.2 ERP application on supply chai	✓ understand the application of ERP	3	✓ The students will learn through a combination of face – to - face contact and guided study. ✓ Case Study ✓ Lectures, tutorials and field trip/industrial visit (if any),	
	REVISION WEEK				
WEEK STUDY (WEEK 1 TO 14)					
FINAL EXAMINATION					

Lecturer:

PROGRAMME LEADER