CBN COLLABORATIVE POSTGRADUATE PROGRAMME
UNIVERSITY OF IBADAN SCHOOL OF BUSINESS
ENTERPRISE INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT
MODULE SPECIFICATION

Last Updated 02/01/2019

1. **Module Title:** Enterprise Information Systems (EIS) and Operations Management

2. **Module Code**: MBA 790

3. **Number of credits:** 3

4. **Level:** MBA

5. **Semester**: 2

6. **Pre-requisites for admission to the module (if any)**
   None

7. **Module Coordinator**
   NIL

8. **Aims**

   Upon completion of the course, students are expected to:

   i. Understand the concept of enterprise and its systems in general and Enterprises Information System (EIS) in particular
   ii. Understand the operational process that support and control resources with EIS
   iii. Evaluate EIS's integration and its impact on business process applications
   iv. Describe evolution of enterprise systems and its implementation
   v. Describe the processes involved in EIS for Supply chain Management.
   vi. Understand the set-up of manufacturing systems including processes, quality assurance, production control, purchasing and customer service.
   vii. Explain the contribution of EIS and Operations management ideas in the context of globalization.
   viii. Explain the life-cycle approach to Enterprise Information System Security

9. **Summary of Content**

   The enterprise systems have promised to replace discrete, un-integrated legacy systems with integrated enterprise wide systems that will streamline and standardize business processes and deliver tighter control and flexibility of business operations. Enterprise System (ES) software vendors such as SAP, Oracle and Microsoft are now offering low cost pre-configured enterprise software solutions to achieve greater performance with minimum effort. The course covers the main areas of exploring Enterprise Information Systems (EIS); Concept of enterprise resource planning (ERP); Evolution of enterprise systems; The Enterprise Systems approach; Enterprise Systems in Small and Medium-Sized Enterprises;. A Conceptual Framework for building Enterprise information systems; EIS and ERP Implementation Strategies in Organizations ; Free and Open Source Enterprise Resources Planning , A Life-Cycle Approach to Enterprise

Information System Security; An Overview of Executive Information Systems; Developing a Business Case for New Enterprise Information Systems, EIS for Consumers Classification and Support Decision Making ; Contemporary issues in enterprise information systems practice, EIS for Supply Chain Management; Business Process and Operations Management as a Critical Success Factor for EIS Implementation.

10. Module Intended Learning Outcomes (MILOs)

Upon successful completion of this module, students will be able to:

No.	Milos	Weighting (%)
1	Identify the basic activities and business objectives common to all business processing systems	Refer to no.15
2	Describe the transaction processing systems associated with the order processing, purchasing, and accounting business functions of information systems	
3	Discuss the advantages and disadvantages associated with the implementation of an enterprise resources planning system	
4	Identify challenges that multinational corporations face in planning, building, and operating their enterprise systems	
5	Understand the conceptual framework for building ERP and EIS.	
6	Describe how EIS would contribute in business decision making.	
7	Describe the appropriate methods in aggregate resource planning	
8	Explain the lean operations and Just In Time (JIT) conceptual philosophy in operation management.	
9	Explain the roles of EIS for Supply Chain Management and related technologies in operations management	

11. Teaching and Learning Activities (TLAs)

MILO No.	TLAs	Functions	Hours/Week
1,2,3,4,5,6,7,8	Lectures and materials	Course instructors will introduce, with appropriate audio-visual materials, the critical concepts of Production and Operation Management through lectures.	**3hours**
1,2,3,4,5,6,7,8	Tutorials (Case study, Group Discussion, Quizzes, presentations, peer review, role play)	Tutorial sessions will introduce experiential forms of learning activities such as case studies, group discussion, presentations, peer review, quizzes and role play. Emphasis placed on more in-depth learning of the processes, tools, and techniques in Operations Management	**3 hours**

12. Assessments Tasks/Activities

MILO No.	Type of assessment tasks/activities	Weighting (if applicable)	Remarks
1,2,3,4,5,6,7,8	**Examination** Students are required to participate in a three-hour examination to test their acquisitions of concepts and knowledge.	70%	
1,2,3,4,5,6,7,8	**Written Test/Quizzes** 1-hour written test/Pop Quizzes	10%	Week 7/On Going basis
1,2,3,4,5,6,7,8	**Assignments** Assessment comprises group work assignment and individual assignment.	20%	Case study analysis and Report type organizational analysis on Operations Management

13. Attendance Requirements

Students are required to have 75% attendance in all lectures sessions.

14. Contribution to Programme Learning Outcomes

No	PILOs	MILO No
1	Demonstrate understanding of managing EIS, ERP within organization to support operations processes	1,2
2	Apply knowledge of EIS and operations management in solving operational challenges in an organization	2,3,4,5,6,7,8
3	Demonstrate managerial skills for effective transition from batch production and operations processes system to an ERP enabled EIS -based solutions	2,3,4,5,6,7,8
4	Demonstrate operations management research skills	3
5	Analyze business operations opportunities in ERP and EIS solutions.	2
6	Demonstrate independent and life-long learning skills on EIA and ERP	1,2,3,4,5
7	Understand different roles in an ERP/EIS and SCM to solve operational bottleneck in business process	1,2,3,4,5
8	Demonstrate professional ethics and practices and moral responsibility towards the environmental sustainability	1,2,3,4,5

15. Grading of Student Achievement

Letter Grade	% Mark	Grade Definitions	Remarks
A	70-100	**Excellent**	Demonstrate excellent understanding of the subject matters.
B	60-69	**Good**	Demonstrate a good understanding of the subject matters, though missing some of the points.
C	50-59	**Adequate**	Demonstrate an adequate understanding of the core of the subject matters.
F (Fail)	0-49	**Fail**	Demonstrate a wrong understanding of the subject matter.

16. Resources

Suggested primary texts

No	Name of Author(s)	Year of Publication	Title of Book	Edition	Publisher's Name	ISBN
1	Turban, Aronson, and Liang	2015	Decision Support Systems and Intelligent Systems,	7th Edition	Prentice Hall,	ISBN: 978-81-224-2425-6
2	Olson, D.L., Kesharwani, S	2010	Enterprise Information Systems: Contemporary Trends and Issues.	13th Edition	World Scientific, Singapore	ISBN-13-978-981-4273-15-2 10-981-4273-15-5

Suggested secondary texts

No	Name of Author(s)	Year of Publication	Title of Book	Edition	Publisher's Name	ISBN
1	Berchet, C., Habchi, G.	2005	The Implementation and Deployment of an ERP System: An Industrial Case Study. Computers in Industry.	5th Edition	Available from: https://www.researchgate.net/publication/220709810_Enterprise_Information_System_Trends	13-978-981-4273-15-2 10-981-4273-15-5
2	Heizer and Render	2011	Operations Management,	8e, Global Edition	Pearson Education	

			10e, Global Edition Principles of Operations Management,			
3	Roberta Russell & Bernard W. Taylor, III	2017	*Operations Management*	*- 8th Edition*	John Wiley & Sons, Inc	978-0-470-64623-6
4	Collier D A Evans J R	2013	Operations Management	First Edition	Cengage Learning	13:978-1-133-3742-4

Suggested Journals

International Journals of Production and Operations Management
Journal of Operations Management
Journal of Manufacturing Systems
International of Journal Technology Management
Harvard Business Review
Journal of Operations Research
Measuring Business Excellence

Facilities Requirements

A lecture room with appropriate teaching and facilities