**IS-495 E Business**

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| Resource Person: |  |
| Email: |  |
| Contact Hours: |  |
| Office Address: |  |
| Programme: |  |
| Section: |  |
| Semester: |  |
| Course Pre-requisites: |  |
| Credit Hours: |  |
| Course Type: |  |
| Venue/Day/Time: |  |
| Course URL (if any): |  |

**Course Objective:**

This course examines the role, advantages, life cycle, Implementation and coverage of ERP. This course is enriched with an overview of the major players—Vendor, Users, Customer--- of ERP. This course also cover market share of ERP’s around the world whereas ERP and Sustainability needs to be intertwined in order to achieve success. As a company matures, sustainability goes from reactive to proactive, tactical to strategic.

**Learning Objective:**

The aim of this module is to develop a more sophisticated understanding of ERP benefits, to develop understanding how business process implemented in ERP. Learning which steps should be taken to measure the sustainable activities of the company and how to measure it? Tool based Reporting frameworks in order to determine Sustainability issue.

**Learning Outcomes:**

* Understand what is ERP
* Role of ERP in System Integration
* ERP System Development Life Cycle and Sure step Methodology.
* Depth understanding of Microsoft Dynamics Products
* Different modules of Axapta ERP

**Teaching Methodology (List methodologies used –example are given below)**

* Lecture
* Interactive Classes
* Case based teaching
* Class activities
* Applied Projects
* Guest Speakers/Industrial visits

**STUDENTS ARE REQUIRED TO READ AND UNDERSTAND ALL ITEMS OUTLINED IN THE PARTICIPANT HANDBOOK**

**Class Policy:-**

* Be On Time

You need to be at class at the assigned time. After 10 minutes past the assigned time, you will be marked absent.

* Mobile Policy

**TURN OFF YOUR MOBILE PHONE!** It is unprofessional to be texting or otherwise.

* Email Policy

**READ YOUR EMAILS!** You are responsible if you miss a deadline because you did not read your email.

Participants should regularly check their university emails accounts regularly and respond accordingly.

* Class Attendance Policy

A minimum of 80% attendance is required for a participant to be eligible to sit in the final examination. Being sick and going to weddings are absences and will not be counted as present. You have the opportunity to use 6 absences out of 30 classes. Participants with less than 80% of attendance in a course will be given grade ‘F’ (Fail) and will not be allowed to take end term exams. International students who will be leaving for visa during semester should not use any days off except for visa trip. Otherwise they could reach short attendance.

* Withdraw Policy

Students may withdraw from a course till the end of the 12th week of the semester. Consequently, grade W will be awarded to the student which shall have no impact on the calculation of the GPA of the student.A Student withdrawing after the 12th week shall be automatically awarded “F” grade which shall count in the GPA.

* Moodle

UMT –LMS (Moodle) is an Open Source Course Management System (CMS), also known as a learning Management System (LMS). Participants should regularly visit the course website on MOODLE Course Management system, and fully benefit from its capabilities. If you are facing any problem using moodle, visit <http://oit.umt.edu.pk/moodle>. For further query send your queries to [moodle@umt.edu.pk](mailto:moodle@umt.edu.pk)

* Harassment Policy

Sexual or any other harassment is prohibited and is constituted as punishable offence. Sexual or any other harassment of any participant will not be tolerated. All actions categorized as sexual or any other harassment when done physically or verbally would also be considered as sexual harassment when done using electronic media such as computers, mobiles, internet, emails etc.

* Use of Unfair Means/Honesty Policy

Any participant found using unfair means or assisting another participant during a class test/quiz, assignments or examination would be liable to disciplinary action.

* Plagiarism Policy  
    
  All students are required to attach a “Turnitin” report on every assignment, big or small. Any student who attempts to bypass “Turnitin” will receive “F” grade which will count towards the CGPA. The participants submit the plagiarism report to the resource person with every assignment, report, project, thesis etc. If student attempts to cheat “Turnitin”, he/she will receive a second “F” that will count towards the CGPA. There are special rules on plagiarism for final reports etc. all outlined in your handbook.
* Communication of Results

The results of quizzes, midterms and assignments are communicated to the participants during the semester and answer books are returned to them. It is the responsibility of the course instructor to keep the participants informed about his/her progress during the semester. The course instructor will inform a participant at least one week before the final examination related to his or her performance in the course.

**Course Outline**

Course code: Course title: Enterprise Resource Planning

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| --- | --- |
| Program |  |
| Credit Hours | 3 |
| Duration | 15 Weeks |
| Prerequisites (If any) | N/A |
| Resource Person  Name and Email |  |
| Counseling Timing  (Room# 1N1 R#7 ) |  |
| Contact no. |  |
| Web Links:- (Face book, Linked In, Google Groups, Other platforms) |  |

**Chairman/Director Program signature………………………………….Date……………………..**

**Dean’s signature………………………… ………………….Date………………………………………….**

**Grade Evaluation Criteria**

Following is the criteria for the distribution of marks to evaluate final grade in a semester.

**Marks Evaluation Marks in percentage**

Quizzes 15%

Assignments 15%

Mid Term 25%

Attendance & Class Participation 5%

Term Project and Presentation 40%

Total 100%

**Software**

Microsoft Dynamics Axapta R2

***Learning Modules and Power point presentation Slides***

**Course: -** **Enterprise Resource Planning Course code: IS-495 Book:**

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| --- | --- | --- | --- | --- | --- | --- |
| **No** | **Topics to be**  **covered in the course** | **Learning Objective**  **of this topic** | **Expected Outcomes from Students** | **Teaching Method** | **Assessment Criteria** | **Deadlines and Homework** |
| 1. | Introduction to ERP | Understanding of Enterprise Resource Planning(ERP) ,Need of ERP with in Enterprise, Available Technologies for ERP in Market, Advantages of ERP,  Reasons of ERP growth in Market. | What ERP is about, How ERP Systems evolved and what their future prospects are, The benefits for ERP, The reasons why organizations should implement ERP systems, Which is best ERP system for Enterprise | Lecture | Assignment | Within a Week |
| 2. | ERP and Related Technologies | What is Business Process Reengineering (BPR), What is Management Information System (MIS), What is Decision Support System (DSS), What is Executive Information System (EIS) | Will understand best option to use for automation of Enterprise, Difference between ERP and other Automation Systems. | Case Discussion | Assignment | Within a Week |
| 3 | ERP Tools | Will understand different ERP systems,  Share of different ERP’s in Market | Have Knowledge about SAP, Oracle R12, Microsoft Dynamics, JD Edward and others | Case Discussion + Lecture | Class Activity | Within a Week |
| 4. | ERP Implementation Life Cycle | Introduction, Pre-evaluation, Project Planning Phase, Gape Analyses, Reengineering, Configuration | Have understanding for Implementation Life Cycle of ERP in Enterprise. | Lecture + Lab work | Quiz | Within a Week |
| 5. | Microsoft Dynamics Products | MS Dynamic Axapta  Module with Axapta,GP,Nav,CRM | Understanding with AX,GP,Nav,CRM | Case Discussion + Lecture | Class Activity | Within a Week |
| 6. | Vendor, Customer and items | Vendor, Vendor groups, Customer Management and Groups, Item and Item Groups | Create and Maintain Customer, Vendors & Item in AX | Case Discussion + Lab Work | Quiz | Within two Weeks |
| 7. | MS Dynamics AX  Financial1 (First Session) | How Microsoft dynamics AX Financials applications automate and streamline all financial business processes for enterprise wide daily business intelligence that lets make more informed decisions | Understand Financial Modules GL, AP, AR, Cash and Bank | Lecture | Class Activity | Within two Weeks |
| 8. | MS Dynamics AX  Financial1 (Continue Session) | COA, Ledger Accounts, Bank Reconciliation etc | Understand Financial Modules GL, AP, AR, Cash and Bank | Mid Term | Mid Term | Mid Term |
| 9. | MS Dynamics AX  Supply Chain Management  (First Session) | The Supply Chain Management applications integrate and automate all key supply chain activities, from design, planning, and procurement to manufacturing and fulfillment. | Understand SCM module like Product Information system, Inventory , Purchasing, Order, Warehouse and Quality Management, | Case Discussion | Assignment | Within a Week |
| 10. | MS Dynamics AX  Supply Chain Management  (Continue Session) | Purchase Order, PO Returns, Sale Order, SO Returns, | Understand SCM module like Product Information system, Inventory , Purchasing, Order, Warehouse and Quality Management, | Lecture + Case Study | Class Activity | Within a Week |
| 12 | MS Dynamics AX  HRMS | Payroll System | Understanding the key parameters of payroll system and its Workflows | Lab Work + Case Study | Quiz | Within a Week |
| 11 | Guest Speaker | ERP in one glance | How ERP changed the environment | Guest Lecture + Discussion | Class Participation + QA session | Within two Weeks |
| 13 | MS Dynamics CRM  (First Session) | The world's most complete customer relationship management (CRM) solution  CRM Concept, Sales Management, Marketing Management. | Have knowledge about most powerful CRM Solution | Lab Work + Case Study | Quiz | Within two Weeks |
| 14 | MS Dynamics CRM  (Second Session) | Customer services Management, Services Scheduling, Analysis and Goal Management | Have knowledge about most powerful Microsoft Dynamics CRM Solution. | Lecture | Class Activity | Within a Week |
| 15 | Microsoft Dynamics | Revision | Revision of all products and modules | Presentation | Presentation |  |