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| **PROGRAM** | **Master of Business Administration** |
| **SEMESTER** | **04** |
| **COURSE TITLE** | **Enterprise Resource Planning and Business Process Management** |
| **COURSE CODE** | **04MB0428** |
| **COURSE CREDITS** | **03** |
| **COURSE DURATION** | **42 hours** |

**COURSE OUTCOMES:**

**After completing the syllabus students should be able to-**

* Understand how ERP works and its relationship with SCM.
* Categorizing the steps in SCM process and how it can be applied in real world.
* Explaining the in-depth knowledge of MRP, ERP and SCM
* Reviewing of Various model of SCM and ERP
* Adapting the Application of ERP in SCM.

**COURSE CONTENTS:**

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| **Unit No** | **Unit / Sub Unit** | **Sessions** |
| **I** | Introduction: Evolution of ERP and SCM, MRP (material requirement planning, manufacturing resource planning, ERP-enterprise resource planning | 6 |
| **II** | Case: SAP ERP, implementing business process with SAP ERP, ERP system implementation, Manufacturing systems | 8 |
| **III** | SCM- supply chain management, modeling intercompany business processes, SCOR model | 10 |
| **IV** | SCM data structures and advance planning, advanced SCM planning approaches, APS-Advanced planning and scheduling, planning inventory and orders. | 10 |
| **V** | SAP scm- SAP advanced planner and optimizer, CIF –core interface, SAP SCM modules | 8 |

**EVALUATION:**

The students will be evaluated on a continuous basis and broadly follow the scheme given below:

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|  | **Component** | **Weightage** |
| A | Continuous Evaluation Component (Assignments / Presentations/ Quizzes / Class Participation etc.) | 30% (C.E.C) |
| B | Internal Assessment | 20% (I. A.) |
| C | End-Semester Examination | 50% (External Assessment) |

**SUGGESTED READINGS:**

**Text Books:**

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| --- | --- | --- | --- | --- |
| **Sr. No** | **Author/s** | **Name of the Book** | **Publisher** | **Edition and Year** |
| **T-01** | Kurbel, Karl E | Enterprise Resource Planning and Supply Chain Management | Springer | latest edition |
| T-02 | Knolmayer, Gerhard F., Mertens, Peter, Zeier, Alexander | Supply Chain Management Based on SAP Systems | Springer | latest edition |

**Reference Books:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No** | **Author/s** | **Name of the Book** | **Publisher** | **Edition and Year** |
| R-01 | Bansal | Enterprise Resource Planning | Pearson | Latest edition |
| R-02 | Rajesh ray | Enterprise Resource Planning | Mcgraw Hill | Latest edition |
| R-03 | Garg | Enterprise Resource Planning: Concepts and Practice | PHI publisher | Latest edition |