



Course Objectives

The following is a list of the course objectives for the SAP online courses and the SAP Academy required for the MBA degree with an emphasis in SAP and the Graduate Certificate in SAP from Central Michigan University.

Please note: The degree and the graduate certificate have different SAP course requirements:

MBA degree with an emphasis in SAP – 18 credit hours in business administration plus:

- 3 SAP courses (BIS 647, BIS 656, BIS 658)
- BUS 698 SAP Academy

Graduate Certificate in SAP

- 4 SAP courses (BIS 647, BIS 656, BIS 658, plus ACC 730)
- BUS 698 SAP Academy

BIS 647 – SAP Enterprise Software for Management

Course Objectives:

1. Explain how enterprise software is used to manage the integration of business operations
2. Relate enterprise software to the management information requirements of modern business organizations
3. Explain the relationship of enterprise software to business reengineering and business workflow, and the management challenges created by these relationships
4. Analyze the business components and applications modules included in the SAP R/3 enterprise software and relate them to common business processes for managing a business organization
5. Apply the navigation and systems operation of R/3 as an example of enterprise software used in organizations
6. Assess the R/3 Basis and its three tier client/server architecture including its importance to managing enhancements
7. Explain the role of Internet enabled solutions for enterprise software and its expected impacts on changing inter-business processes
8. Outline the process for implementing enterprise software in a business organization including the management and application of the system development life cycle
9. Analyze the activities involved in configuring or customizing the SAP R/3 enterprise software including the management of a large-scale enterprise software installation project
10. Relate the key issues in planning and conducting an enterprise software installation to managing the implementation project
11. Relate the use of the R/3 Reference Model and Workbench in configuring an SAP installation including the project management integrated in the enterprise software
12. Conduct current research in the deployment and management of enterprise software and in the related issues in management information systems

BIS 656 – SAP Business Information Warehouse (BW)

Course Objectives:

This course is a study of SAP Business Information Warehouse (BW) as a business intelligence solution. SAP BW enables organizations to construct an enterprise data warehouse as a central depository of integrated data from both SAP and non-SAP systems. It also includes comprehensive data analysis, presentation, and distribution tools that allow the consumption of business intelligence throughout the organization. Upon completion of this course, students will be able to:

1. Analyze enterprise data warehousing issues
2. Analyze the SAP NetWeaver integration platform
3. Analyze the SAP BW architecture
4. Apply information modeling using BW
5. Apply data acquisition and transformation using BW
6. Develop queries and apply information analysis using BW
7. Develop both desktop and Web applications to present information
8. Conduct research to learn the current developments in business intelligence

BIS 658 – SAP Configuration and Implementation for Global Systems

Course Objectives:

Students will learn how to utilize configuration and implementation tools of an integrated global enterprise business system. Upon completion of the course, the student will be able to:

1. Describe in detail the use of the ASAP Roadmap methodology for systems configuration, implementation, and administration
2. Utilize the ASAP Roadmap to configure and implement a case scenario project
3. Analyze each phase of the ASAP Roadmap in detail and demonstrate how the phase contributes to the total project implementation
4. Perform complex implementation procedures such as conditioning techniques, pricing procedures, and linking procedures
5. Plan, develop, and present a group project scenario that illustrates the SAP configuration, implementation, and administration activities associated with a business enterprise
6. Research several issues in the systems administration of enterprise systems
7. Explore the use of CATT (Computer Aided Test Tool) for application deployment
8. Develop and present a group project solution to a configuration, implementation, and administration issue

BUS 698 – mySAP ERP Integration of Business Processes

(This is the 4-credit course that is the 2 week face-to-face SAP Academy)

Course Objectives:

1. Analyze controlling components of cost center accounting, internal orders, product cost accounting, profit center accounting, profitability analysis, and activity based costing
2. Apply Product Lifecycle Management business processes using PLM components
3. Incorporate business processes using integrated Human Capital Management
4. Evaluate the quick and efficient use of information using analytical components such as SAP Business Information Warehouse (SAP BW) and SAP Strategic Enterprise Management (SAP SEM) Certification test
5. Develop an overview of enterprise resource planning (ERP)
6. Explore SAP NetWeaver as the technical platform of mySAP ERP
7. Analyze integrated logistics scenarios for sales order processing, material planning and manufacturing execution, external procurement process, inventory and warehouse management, customer service processing and enterprise asset management, and project management
8. Integrate Financial Accounting with the logistics scenarios, including general ledger accounting, accounts payable, accounts receivable, and asset accounting

ACC 730 – SAP Configuration, Control & Implementation of Global Accounting Systems

(Only required for the Graduate Certificate in SAP)

Course Objectives:

The overall cognitive objective of this course is to have the students acquire a professional understanding of the strategic design and implementation of accounting information systems. At the end of this course, students will be able to:

1. Apply systems theory to strategic enterprise resource planning design and implementation
2. Apply change management theory and project management techniques to business process engineering problems they are likely to encounter in their professional life
3. Incorporate control theory and concepts as well as general, administrative and transaction controls into the design of accounting systems
4. Apply best business practices to business transaction cycles including sales, cash receipts, purchases and cash disbursements
5. Evaluate the effectiveness of enterprise controls over financial reporting
6. Identify and report on internal control weaknesses
7. Use rapid implementation tools such as the R/3 Implementation Guide and Procedure Model to customize the financial and cost accounting components of an Enterprise Resource Planning System
8. Recognize general areas of ethical conflict commonly found in their professional life and set ethical standards for themselves before these conflicts occur

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