

MISY: MGMT INFORMATION SYSTEMS (MISY)

MISY 311. Systems Architecture & Design. (3 Credits)

This course is designed to introduce the student to current operating systems, computing networks, and data communication infrastructure. Students are expected to come away with an understanding of the functions of operating systems, data and voice communication concepts and terminology, modes of data transmissions, transmission media, different types of networks, mass storage and I/O technologies, file systems, and computing technology trends. Prerequisites: MISY 305 or permission of the instructor.

MISY 330. Introd to Java Programming. (3 Credits)

This course provides an introduction to JAVA programming and its environment. Students will learn how to develop small to medium sized JAVA applications and java applets. Special topics include JAVA programming concepts, Object-Oriented design, JAVA Application Programming Interface (API), Graphical User Interface (GUI) components, event handling, exceptions, graphics, input/output, and inheritance. Prerequisites: COBU 155 or permission of the instructor 201608.

MISY 344. Introd to Visual Basic Program. (3 Credits)

The course introduces the student to programming using and Object-oriented programming language. The course focuses on the principles of user interface design, general software engineering principles and business application development. Prerequisites: MISY 305 or permission of the instructor.

MISY 350. Management Information Systems. (3 Credits)

An informative course designed to provide students with an understanding of the importance and the role of Business Information Systems in making decisions affecting the success of an organization, and the types of information systems that support business functions. Emphasis will be placed on the planning, development, installation and maintenance of business computer applications that are utilized in the typical business environment. Prerequisite: COBU 155 or equivalent 201608.

MISY 385. Introd Web Development & Appli. (3 Credits)

This course provides a practical approach to the development of web related technologies. Emphasis is on the use of current web development languages as tools to develop interactive web pages. Students also learn concepts such as the architecture of the web, the use of browsers, the effectiveness of user interfaces, and effective search strategies. Multimedia and web security are addressed to familiarize the student with the web as a business tool. Prerequisite: An introductory level computer programming language or permission of the instructor.

MISY 430. Advanced Java Programming. (3 Credits)

This course is the second part of a two semester JAVA programming course sequence. Students will learn how to write small to medium sized JAVA applications and JAVA applets. Special topics include key issues related to software engineering, object oriented design, Java Application Programming Interface (API), graphical user interface components, event handling, exceptions, input/output, and inheritance, data structures, and multithreading and animation. Prerequisite: MISY 330 or permission of the instructor 201608.

MISY 444. Advanced Visual Basic Programm. (3 Credits)

This course is a continuation of MISY 344. Topics include event-driven programming techniques, scripting, business computing, and integration with databases. Prerequisite: MISY 344 or permission of the instructor.

MISY 467. Advanced Cmptr Networks Techno. (3 Credits)

This course focuses on computer networking technologies for individual workstations, LANS, WANS, and the Internet. Topics include network support; storage area networks; virtual servers; managed switches, and routers, and firewalls. This course also prepares the student for the industry's Network+ certification examination. Prerequisite: MISY 367 201608.

MISY 485. Advanced Web Development & App. (3 Credits)

This course provides students with the understanding and practical experience in web-enabled database and e-commerce business application development. Topics include scripting business rules and application logic on a web server, client and server side technologies, and techniques to develop fully functional business applications. Application design uses current application software. E-commerce business issues and security implementations are also covered. Prerequisite: MISY 385 or permission of the instructor.

MISY 486. Enterprise Resou Plan Sys Appl. (3 Credits)

Enterprise resource planning (ERP) is an integrated information system that manages internal, external resources including suppliers, employees, customers, and partners. The course provides students with an understanding of how firms consolidate all business operations (i.e., manufacturing, finance and accounting, sales and marketing, and human resources) into a centralized database; facilitate information flows among all business functions, and turn into innovative business decisions. Emphasis will be placed on exploring SAP. Prerequisite: MISY 381 and MISY 330 201608.