

WEB BIT (WBIT)

WBIT 3110. Systems Analysis and Design (3)

This course introduces the fundamental principles of the design and analysis of IT applications. In this course, students will learn to apply the tools and techniques commonly used by systems analysts to build and document IT applications. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output design, and program specification will be studied, as will object-oriented techniques.

Prerequisites: WBIT 1310 and WBIT 2000

Restrictions: Information Technology, Information Technology - BSIT

WBIT 3111. IT Project Management (3)

This course will cover the four main phases of project management: planning, organizing, monitoring (or control), and adjusting. It will include project management techniques and tools as applied to information technology. Resource and personnel management and allocation, product testing, scheduling, and project management software are examples of these tools and techniques. Students will study examples of both successful and unsuccessful projects and apply lessons learned to a class project.

Prerequisites: WBIT 3110 and (MATH 1401 or MATH 1231)

Restrictions: Information Technology, Information Technology - BSIT

WBIT 3200. DB Design, Dev-Deploymt. (3)

An advanced course in database design, development and deployment. Course emphasizes database design, drawing distinctions between data modeling and process modeling using various modeling techniques, including Entity- Relationship Modeling, Object Modeling and Data Flow Diagramming; database development using the relational model, normalization, and SQL; database deployment including control mechanisms, forms, reports, menus and web interfaces. Additional topics include procedures, functions, packages and triggers. Students will design, create and process a database to demonstrate competency in the course content.

Prerequisites: WBIT 2311 (may be taken concurrently) and WBIT 1310

Restrictions: Information Technology, Information Technology - BSIT

WBIT 4610. IT Policy and Law (3)

This course will focus on the legal implications of conducting business in the information technology age. Topics will include current understanding of Internet contracts, copyright, trademark and patent law. Further, this course will examine cutting-edge cases relating to security, e-commerce, and emerging ethical issues and trends.

Prerequisites: WBIT 3600 or ITFN 3134