BIH-RU LEA, Ph.D.

University Teaching Experience

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Missouri University of Science and Technology (formerly University of Missouri - Rolla)

- **Customer Relationship in ERP Environment (ERP401):** Graduate level, 3 credit-hour course on identification (targeting), acquisition, retention, and development (expansion) of (profitable) customers. It also covers effective and efficient management of customers with utilization of information technology. The SAP CRM and SAS BI tools are used to enhance student education with real world applications and prepare graduates for future career requirements.
- **Strategic Management System Configuration (ERP448):** Graduate level, 3 credit-hour course on implementation and design practices for enterprise performance measurement and monitoring systems with a focus on balanced scorecard and value based management. SAP's Strategic Enterprise Management (SEM) is used as a tool for project implementation.
- **ERP Configuration and Implementation (ERP446):** Graduate level, 3 credit-hour course on implementation and design practices for business processes in Enterprise Resource Planning (ERP) systems. Course examines and applies techniques used in SAP ECC/R/3 for system configuration and integration with a focus on accounting information systems, production systems, logistics and finance.
- **MBA Accounting (BUS422 - BUS423):** Graduate level, 2 credit hour course. Financial accounting and managerial accounting components in the MBA core.
- **MBA Capstone (BUS426):** Graduate level, 3 credit hour course. Students will integrate knowledge learned from previous MBA classes to run a simulated company in an enterprise resource planning (ERP) environment. Students will leverage the information technology to achieve a competitive advantage against the other teams during live simulation games.
- **MBA Integrated Core (BUS420):** Graduate level, 18 credit-hour course. The MBA core areas of management, marketing, operations, accounting, finance, and human resource are integrated using a case study approach with emphasis on integration using Enterprise Resource Planning (ERP) software.
- **Strategic Enterprise Management Systems (ERP348):** Graduate level, 3 credit-hour course on the use of information technology for the formulation and implementation of strategy in the organization. SAP's Strategic Enterprise Management (SEM) is used to study the development of business plans, definition of key performance indicators, and evaluation of business.
- **Supply Chain Management in ERP Environment (ERP347)**: Graduate level, 3 credit-hour course studies the need for supply chain integration and the challenges of managing complex interfaces. This course focuses on the systems approach to the planning, analysis, design, development, and evaluation of supply chain. The course discusses activities that lead to integration of information and material flows across multiple organizations
- **Managerial Accounting (BUS320):** Senior level, 3 credit-hour required core course that emphasizes internal use of accounting information in establishing plans and objectives, controlling operations, and making decisions involved with management of an enterprise (the determination of costs relevant to a specific purpose such as inventory valuation, control of current operation, or special decisions).

- **Essentials of Accounting (BUS120):** junior or sophomore level, 3 credit-hour required core course that is an introduction to accounting and its significant role in making sound business decisions. Emphasis is on what accounting information is, why it is important, and how it is used to make strategic economic decisions.
- **System Analysis (IST243):** Senior level, 3 credit-hour required core course required core course. The theory and practice of structured analysis are presented. Topics include: traditional vs. structured analysis methods, requirements analysis, user/analyst interaction, investigation of existing systems, human/machine interfaces, case tools, and workbenches.

University of Louisville, Louisville, KY 40292

- **Introduction to Computer Programming (CIS 110):** Junior level, 3 credit-hour require core course for the major. Introduction to the basic principles of computer programming using an object - oriented programming language such as C++. The course concentrates on algorithmic development, with emphasis on good techniques in design, coding, debugging, and documentation. Provides heavy exposure to the latest in programming technology. Extensive computer programming in the chosen object - oriented language is required.
- **Web Programming (CIS 201):** Junior level, 6 credit-hour require core course for the major. This course provides an introduction to Web technologies and effective Web site design, implementation, and maintenance. The architecture of Web, the use of the Web for sharing data, and models for using the Web to conduct business using languages such as HTML, JavaScript, and XML are explored. Additionally, this course introduces object-oriented programming using Java. Students learn the fundamentals of the object model, including the use of classes and encapsulation. The course concentrates on algorithmic development, with emphasis on sound techniques for designing, coding, debugging and documenting programs. Computer lab sessions are used to reinforce programming concepts. Extensive programming assignments are required. Team taught with one other faculty.
- **Management of Information Systems (CIS 410):** Senior level capstone class. A 3 credit-hour require core course explores strategic development of information technology; value chain analysis and its application to information resource management; information systems planning; organizing, staffing, and controlling the deployment of information technology; the development of an IT platform and architecture consistent with organizational structure. Intensive case analysis and company project implementation.
- **WWW Development (CIS 381):** Sophomore and senior level, 1.5 credit hour elective course. The main object of this course is to develop effective Internet and Intranet web sites to s to support current academic pursuits and to provide a competitive advantage in future professional activities Topics include web design concepts, fundamental HTML programming, and graphic/photo processing and animation. Through hands-on work, students will become familiar with basic techniques for designing, implementing, and maintaining web sites.
- **Rapid Application Development (CIS 390)- Visual Basic:** Sophomore and senior level, 1.5 credit hour elective course. Overview of Microsoft Visual Basic 6.0 and its use as a tool for rapid application development. Topics include the tool's main components; properties, methods and events of objects; commonly-used controls; creating objects; debugging and error handling; creating menus; using dialog boxes; and database connectivity.

Anderson College, Anderson, SC 29621 (1997 – 1999)

- Microcomputer Application in Business (required core course for sophomore)
- Computer Programming I (Visual Basic, HTML, JavaScript, VBScript) (required core course for sophomore)
- Computer Programming II (Visual Basic) (required core course for sophomores)
- Introduction to Information Processing Systems (required core course for freshman)
- Management of Information Systems (required core course for senior)

- Directed Study in Database Management (independent study)
- Introduction to Database Management Systems (required core course for junior)
- Advanced Business Application of Microcomputers (required core course for sophomore)
- Information Systems Analysis, Design, and Implementation (elective for senior)

Clemson University, Clemson, SC 29630 (1998)

- Information Systems Design and Implementation (MBA)