

# INFORMATION SYSTEMS (INFS)

## INFS 6050 Information Systems Fundamentals

[3 credit hours]

This will be a crash course for MBA students wanting to concentrate in Information Systems. The student is expected to develop the basic skills needed to create computer-based applications. In addition, the student will gain an understanding of the various contemporary topics surrounding Information Systems and business.

**Term Offered:** Summer, Fall

## INFS 6150 Business Intelligence Management

[3 credit hours]

This course aims to give students a broad understanding of technical and business issues in data analytics. Students will gain proficiency with reporting, data visualization and prediction. Students will learn analytics techniques that is useful in areas such as marketing and forensics accounting.

**Prerequisites:** BUAD 2060 with a minimum grade of C or OSCM 5510 with a minimum grade of C

## INFS 6450 Data Mining

[3 credit hours]

This course aims to give students a broad understanding of technical and business issues in data mining and data warehousing. Students will gain understanding of the techniques and issues surrounding data warehousing. In addition, students will learn advanced data mining techniques that is useful in various business functions.

**Prerequisites:** BUAD 2060 with a minimum grade of C or OSCM 5510 with a minimum grade of C

**Term Offered:** Spring, Fall

## INFS 6560 Business Systems Analysis and Design

[3 credit hours]

Analysis, design and implementation of business information systems will be studied using Case tools and other appropriate software systems. Will also emphasize management of organizational change brought about by information technology projects.

**Prerequisites:** BUAD 6800 with a minimum grade of C

**Term Offered:** Spring, Summer, Fall

## INFS 6610 Information Integration and Data Management

[3 credit hours]

This course is intended to provide basic understandings of database management systems for businesses. The course has two components: basic theories on relational data bases, and extensive skills in developing and manipulating relational database (Oracle, MS-SQL, and MS Access) objects and applications. The theory component will emphasize the relational database model, including database integrity, data modeling, SQL, and logical database design. The "Skills" component will focus on creating and maintaining various database objects, such as tables, relationship diagram, queries, reports, forms, and web connections.

**Term Offered:** Spring, Fall

## INFS 6710 Management of Information Systems Security

[3 credit hours]

This course aims to give students a broad understanding of technical and business issues in information systems security, systems security models, analysis of process and technology in systems security and security policies leading to information assurance.

**Term Offered:** Spring, Fall

## INFS 6750 Research In Information Systems, Operations Management Or Decision Sciences

[1-3 credit hours]

Individual study of topics of common interest to both student and faculty member.

**Term Offered:** Spring, Summer, Fall

## INFS 6780 ERP Systems Process Management

[3 credit hours]

This course will provide students an overview of the fundamental business processes and examination of the application of business enterprise software using SAP. Issues include software deployment that supports transaction processing in the business supply chain. Also, students will work on various hands-on exercises including process of entire business cycle with a fictitious company and implementation of simple application with NetWeaver development platform.

## INFS 6790 ERP Systems Configuration and Integration

[3 credit hours]

This course will provide students an overview of the fundamental business processes and examination of how business processes interact with SAP ERP including the system configuration and implementation. Issues. Students will gain a deep appreciation for the role of enterprise systems in managing processes from multiple functional perspectives. Also, students will work on various hands-on exercises including configuration of a fictitious company and implementation of business rules using an enterprise system.

## INFS 6810 Network Communications

[3 credit hours]

Applications of business data communication, basic electronic communications concepts, public networks, computer networks, the Internet, network management, regulatory environment.

**Term Offered:** Spring

## INFS 6930 Contemporary Topics Seminar

[3 credit hours]

This seminar will focus on current topics in the fields of Information Systems and Operations Management.

**Term Offered:** Spring, Fall

## INFS 8150 Business Intelligence Management

[3 credit hours]

This course aims to give students a broad understanding of technical and business issues in data analytics. Students will gain proficiency with reporting, data visualization and prediction. Students will learn analytics techniques that is useful in areas such as marketing and forensics accounting.

**INFS 8560 Systems Analysis and Design**

[3 credit hours]

This advanced course in systems analysis and design focuses on practical, managerial, and conceptual issues related to systems analysis, design, and development. The course presents traditional (process and data-oriented) and modern (object-oriented) approaches to the design and development of computer-based applications and information systems; discusses organizational, social, and ethical issues associated with systems development; and presents research topics, techniques, and issues involving systems analysis and design in the MIS field.

**Prerequisites:** BUAD 6800 with a minimum grade of D-

**Term Offered:** Summer, Fall

**INFS 8710 Management of Information Systems Security**

[3 credit hours]

This course aims to give students a broad understanding of technical and business issues in information systems security, systems security models, analysis of process and technology in systems security and security policies leading to information assurance.

**Term Offered:** Spring, Fall

**INFS 8760 IS Research Seminar I**

[3 credit hours]

This course covers the full spectrum of IS research on technology adoption models and the adoption and diffusion of innovations in information technology. We examine the Technology Acceptance Model, TAM II, the Unified Theory of the Acceptance and Use of Technology and UTAUT 2. We also examine the literature on technology acceptance beyond the dominant paradigm of technology acceptance.

**INFS 8770 IS Research Seminar II**

[3 credit hours]

This course covers the rich vein of IS research that falls outside the Technology Acceptance Model or quantitative positivist research genre. These include examining questions of IT strategy and the value of IT to business firms. The value of IT to the organization has been approached using various theoretical lenses.

**INFS 8930 Contemporary Topics Seminar-Outsourcing**

[3 credit hours]

The course will address issues in planning for, implementing and managing or just working in, outsourcing projects. PhD. students enrolled in 8930 will be assigned additional readings and required to complete a research paper.

**Term Offered:** Spring, Fall

**INFS 8990 Integrative Seminar in IT**

[3 credit hours]

The seminar will investigate managerial issues in the field of information systems and technology management.

**Term Offered:** Spring, Summer, Fall