

# INFORMATICS (IFM)

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## **IFM 111 (3 credit hours)**

### **Client-side Informatics Software**

Examines client-side informatics software used to define, analyze, design, collect, structure, manage, and share organizational data. Examines data through charting and statistical analysis. Applies informatics concepts using industry-standard software, such as spreadsheet packages, database management systems, data/document sharing software, and collaboration software. Lecture: 3.0 credits (45 contact hours).

**Pre-requisite:** Computer Literacy or consent of instructor.

**Attributes:** Technical

**Components:** LEC: Lecture

## **IFM 128 (3 credit hours)**

### **Principles of Informatics**

Introduces students to the concepts associated with an information-centric world, information systems, and includes the definition of information and how it is communicated. Prepares students to understand how information systems support data-driven decision making strategies, information sharing technologies, data encoding, cooperative skills, knowledge sharing, and organizing of information. Lecture: 3.0 credits (45 contact hours).

**Attributes:** Technical

**Components:** LEC: Lecture

## **IFM 211 (3 credit hours)**

### **Collaboration Software**

Examines collaboration software and how it is commonly used in informatics environments and within organizations. Prepares students to design, develop, implement and manage team collaboration sites. Lecture: 3.0 credits (45 contact hours).

**Pre-requisite:** Computer Literacy.

**Attributes:** Technical

**Components:** LEC: Lecture

## **IFM 215 (3 credit hours)**

### **Information Systems Analysis**

Introduces students to systems analysis and general design; analysis strategies, tools, and techniques for documenting current systems and developing proposed systems; systems modeling, data modeling, cost/benefit trade-offs, and project management; and development of a comprehensive systems analysis project. Lecture: 3.0 credits (45 contact hours).

**Pre-requisite:** Digital Literacy or Consent of Instructor.

**Attributes:** Technical

**Components:** LEC: Lecture

## **IFM 225 (3 credit hours)**

### **Advanced Informatics**

Examines advanced informatics concepts related to designing, analyzing, organizing, securing, managing, and mining databases. Examines such topics as data corruption, efficiency in design and implementation, data mining, database connectivity, and network and security basics. Lecture: 3.0 credits (45 contact hours).

**Pre-requisite:** Computer Literacy.

**Attributes:** Technical

**Components:** LEC: Lecture