

### **IT 4403: Advanced Web and Mobile Applications**

#### **3 Credit Hours**

*Prerequisite: IT 3203*

This course covers advanced topics on web and mobile applications with a focus on modern web application architectures and mobile friendly user interfaces. Students will complete one major development project using the latest web technologies.

### **IT 4423: Linux/Unix Administration**

#### **3 Credit Hours**

*Prerequisite: IT 3423 or CS 3502*

This course introduces Linux/Unix operating systems. Topics include system administration, file systems and access permissions, regular expression, common tools and utilities, and network service configurations. Lessons will be enhanced using hands-on exercises.

### **IT 4490: Special Topics in Information Technology**

#### **1-3 hours Credit Hours**

*Prerequisite: Vary by specific topic, Junior/Senior Standing*

Special topics selected by the Department Chair. Offered on a demand basis.

### **IT 4493: IT Undergraduate Research**

#### **3 Credit Hours**

*Prerequisite: 60 Credit Hour Completion (junior standing)*

This course promotes undergraduate research in information technology. Students develop research ideas and conduct research to investigate topics with the guidance of an IT faculty member. Students document their finding in final reports, present their findings, and prepare research papers for publication in appropriate venues.

### **IT 4513: Electronic Health Record Systems & Applications**

#### **3 Credit Hours**

*Prerequisite: IT 3503*

This course provides an overview of the importance of key technical aspects of electronic health records, the overall architecture, features and functions of major EHR systems. Hands-on exercises with EHR systems allow students to learn by doing.