

IS 4400: Directed Study

1-3 Credit Hours

Prerequisite: 60 credit hours with a minimum GPA of 3.0, (Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course), and approval of instructor and Department Chair prior to registration.

Special topics of an advanced nature that are not in the regular course offerings.

IS 4490: Special Topics

1-3 Credit Hours

Prerequisite: Specified courses (varies by topic), 60 credit hours with a minimum GPA of 2.0, (Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course), and approval of instructor and department chair prior to registration.

Selected special or current topics of interest to faculty and students.

IS 4540: Data Mining

3 Credit Hours

Prerequisite: [(IS 3100 and Admission to the Coles College Undergraduate Professional Program) or (STAT 1401 and student in a Coles College Partner Program that includes this course)] and 60 credit hours with a minimum GPA of 2.0

Data Mining is the process of extracting useful information from data sets. It involves exploring and analyzing data sets to discover meaningful and valuable information. This course covers major data mining techniques including but not limited to data visualization, association analysis, classification, clustering, trend analysis, prediction, neural networks, text and web mining, and their applications in business. Various data analysis and data mining tools will be used to create analytical applications and achieve data mining goals.

IS 4860: Global Information Systems Strategy

3 Credit Hours

Prerequisite: IS 3100, 60 credit hours with a minimum GPA of 2.0, and Admission to the Coles College Undergraduate Professional Program or student in a Coles College Partner Program that includes this course.

This course will discuss contemporary global IT issues with respect to the role of information systems in providing organizational competitive advantage. Strategic IT planning and the evaluation process to ensure proper alignment of technology to business goals are also explained.