

## **FIN 4520: Financial Derivatives and Financial Engineering**

### **3 Credit Hours**

*Prerequisite: FIN 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 is designed to help students gain a thorough understanding of the roles of futures, options, and other financial derivatives in allocating risk; the design of financial derivatives; the valuation of financial derivatives; and their applications to financial risk management problems.

## **FIN 4560: Behavioral Finance**

### **3 Credit Hours**

*Prerequisite: FIN 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.*

The tools and applications of behavioral finance are presented. Topics include expected utility, prospect theory and mental accounting; conventional finance and challenges to market efficiency; heuristics and biases, overconfidence and emotion; financial decision-making stemming from psychology; behavioral explanations of observed behavioral anomalies; aggregate stock market puzzles; and retirement and pensions.

## **FIN 4590: Applied Equity Valuation**

### **3 Credit Hours**

*Prerequisite: Permission of the Department Chair, and FIN 3100, 60 credit hours with a minimum GPA of 2.0, and Admission to the Coles College. Membership in Student Managed Investment Fund.*

This course presents the practical applications of economic and quantitative analysis to determine the intrinsic value of a publicly-traded firm. Students apply contemporary valuation techniques to value an actual firm and prepare a comprehensive investment report based on an evaluation of industry-level economic and competitive conditions, and firm-specific operating risk and financial projections.