FINANCE (FIN-UY)

FIN-UY 2003 Economic Foundations of Finance (3 Credits)
Typically offered Fall and Spring
This course focuses on the fundamental economic concepts underpinning modern financial theory. Material includes consumer behavior; utility theory; analysis of production and costs; competitive markets; monopolistic and monopsonistic markets; time value of money; game theoretic analysis of oligopoly; asymmetric information in markets; externalities; market efficiency and more. The calculus is used to develop these concepts. | Prerequisites: MA-UY 1124 or MA-UY 1154 or MA-UY 1424 and Sophomore Standing or higher. This course fulfills 3 credits of Tandon HuSS elective requirements.
Grading: Ugrd Tandon Graded
Repeatable for additional credit: No

FIN-UY 2103 Creating and Understanding Financial Statements (3 Credits)
Typically offered Fall
This course provides a solid understanding of the creation and interpretation of modern financial statements. Topics include the compelling reasons for financial statements, Sarbanes-Oxley, U.S. accounting principles and how they differ abroad, quality of financial information, financial ratios and their uses, cash-flow analysis, measurement of corporate performance, credit analysis and introduction to managing financial risk. | Prerequisites: MA-UY 1124 or MA-UY 1154 or MA-UY 1424 and Sophomore Standing or higher. Anti-requisite: MG-UY 2204, ACCT-UB 1, ACCT-UB 3 or ACCT-UB 4.
Grading: Ugrd Tandon Graded
Repeatable for additional credit: No

FIN-UY 2203 Corporate Finance and Financial Markets (3 Credits)
Typically offered Spring
This course covers the fundamentals of corporate finance, valuation, risk, capital budgeting and market efficiency. Students who complete this class acquire a solid foundation needed for intermediate and advanced topics in finance. This class is a prerequisite for all FIN classes at the 3000 level. | Prerequisites: MA-UY 2054 or MA-UY 2212 (or MA-UY 2224) or MA-UY 2233 or MA-UY 3014 or MA-UY 3514, 8 credits of calculus, and Sophomore Standing or higher.
Grading: Ugrd Tandon Graded
Repeatable for additional credit: No

FIN-UY 3213 Financial Management and Risk Engineering (3 Credits)
Typically offered occasionally
The course introduces the elements and techniques of risk engineering spanning the following: Probabilities and their distributions and data analysis and statistics as well as Monte Carlo simulation. Throughout, these techniques are demonstrated through special problems and cases providing the necessary tools and concepts for dealing with major problems in risk engineering, decision-making under uncertainty, and financial management and pricing. The course is based on multiple sessions in a Financial Laboratory environment, using computational-risk software, statistical and financial econometric software, and simulation programs and software. | Prerequisite: FIN-UY 2203. Co-Registration Requirements: FIN-UY 2003, FIN-UY 2103.
Grading: Ugrd Tandon Graded
Repeatable for additional credit: No
Prerequisites: FIN-UY 2203.