ECON 400. Honors Econometrics. 3 or 4 hours.
Estimation of economic relationships and testing of economic hypotheses; ordinary least square regression and extensions; derivations of estimators, proofs of theorems. Course Information: 3 undergraduate hours; 4 graduate hours. Credit is not given for ECON 400 if the student has credit in ECON 300. Prerequisite(s): ECON 120 or ECON 121; and MATH 180; and either ECON 270 or IDS 270.

ECON 436. Mathematical Economics. 3 or 4 hours.
Application of mathematics to theories of consumer and producer behavior, determination of prices in markets, growth and stability features of macroeconomic models. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECON 220; and MATH 180 or MATH 165.

ECON 450. Business Forecasting Using Time Series Methods. 3 or 4 hours.
Autoregressive, moving average, and seasonal models for time series analysis and business forecasting. Forecasting using multi-variable transfer function models. Course Information: Same as IDS 476. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 371 or ECON 300 or ECON 400; or consent of the instructor.

ECON 472. Real Estate Finance. 3 or 4 hours.
Finance principles applied to real estate; financing of residential and income-producing real estate; real estate development finance; secondary mortgage market; taxation and real estate finance. Course Information: Same as FIN 472. 3 undergraduate hours. 4 graduate hours. May not be used to satisfy the Economics credit requirement for the MA in Economics and PhD in Economics. Elective credit only will be applied toward these degrees. Prerequisite(s): ECON 220.

ECON 473. Game Theory. 3 or 4 hours.
Introduction to the basic ideas of game theory. Static and dynamic games; mixed strategies, imperfect information; economic, political and biological applications. Course Information: Same as STAT 473. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): STAT 381; or ECON 270; or equivalents.

ECON 481. Mathematical Methods for Economics. 4 hours.
Survey of mathematical techniques used in applied economics theory and econometrics courses.

ECON 482. Probability and Statistics for Econometrics. 4 hours.
Introduction to methods in probability and statistics that provide a foundation for the applied econometrics and research design courses.

ECON 483. Probability. 3 or 4 hours.
Introduction to probability theory. Course Information: Credit is not given for ECON 483 if the student has credit in ECON 534.

ECON 485. Stochastic Processes. 3 or 4 hours.
Introduction to stochastic processes. Course Information: Credit is not given for ECON 485 if the student has credit in ECON 511.

ECON 486. Statistical Analysis. 3 or 4 hours.
A self-contained course. Course Information: Credit is not given for ECON 486 if the student has credit in ECON 511.

ECON 487. Econometrics I. 3 or 4 hours.
Introduction to econometric theory and regression analysis. Course Information: Course Information: Credit is not given for ECON 487 if the student has credit in ECON 511.

ECON 501. Applied Microeconomics I. 4 hours.
Microeconomic theory, consumer and producer behavior and determination of market price. Course Information: Prerequisite(s): Grade of C or better in ECON 481 and Grade of C or better in ECON 482.

ECON 502. Applied Microeconomics II. 4 hours.
This second course in microeconomic theory covers game theory, economics of uncertainty, general equilibrium analysis, and welfare economics. Course Information: Prerequisite(s): Grade of C or better in ECON 501 or Grade of C or better in ECON 509. Credit is not given for ECON 502 if the student has credit in ECON 510.

ECON 503. Applied Macroeconomics. 4 hours.
Macroeconomic theory with a deemphasis on mathematical derivations. Course Information: Credit is not given for ECON 503 if the student has credit in ECON 511. Prerequisite(s): Grade of C or better in ECON 481 and Grade of C or better in ECON 482.

ECON 505. Applied Econometrics. 4 hours.
Introduction to econometric theory and regression analysis that deemphasizes mathematical derivations. Course Information: Credit is not given for ECON 505 if the student has credit in ECON 534. Prerequisite(s): Grade of C or better in ECON 481 and Grade of C or better in ECON 482.

ECON 506. Research Design. 4 hours.
Application of econometric techniques to empirical problems in microeconomics with an emphasis on issues of identification and causality. Course Information: Credit is not given for ECON 506 if the student has credit in ECON 535. Prerequisite(s): Grade of C or better in ECON 505 or Grade of C or better in ECON 534.

ECON 507. Reading, Writing and Speaking Economics. 4 hours.
Development of skills in reading, writing and presenting economics. Course Information: Prerequisite(s): Grade of C or better in ECON 481 and Grade of C or better in ECON 482.
ECON 508. Topics in Applied Microeconometrics. 4 hours.
A survey of research in the fields of labor, public, education, health and development economics. Course Information: Prerequisite(s): Grade of C or better in ECON 505 or Grade of C or better in ECON 534; and Grade of C or better in ECON 501 or Grade of C or better in ECON 509; and ECON 507.

ECON 509. Microeconomic Theory I. 4 hours.
The fundamentals of microeconomic theory, with a particular emphasis on research-relevant applications of theoretical concepts.

ECON 510. Microeconomic Theory II. 4 hours.
Advanced microeconomic theory. Theories of consumer behavior, uncertainty, general equilibrium, welfare economics. Course Information: Prerequisite(s): ECON 509.

ECON 511. Macroeconomic Theory I. 4 hours.
Static and dynamic theories of income, employment exchange rate and the price level; advanced treatment of consumption, investment, money demand and aggregate production functions; stabilization theory and policy.

ECON 512. Macroeconomic Theory II. 4 hours.
Neoclassical and modern market-clearing models of real and monetary influences on economic growth, inflation and business cycles. Course Information: Prerequisite(s): ECON 511.

ECON 513. Special Topics in Macroeconomics and International Economics. 4 hours.
Intense study of selected research topics in macroeconomics and international economics. Topics may vary. Course Information: Prerequisite(s): ECON 512.

ECON 514. International Trade Policy. 4 hours.
Theoretical models on the causes and consequences of international trade and their empirical validation. Effects of tariff and non-tariff trade policies and preferential trade agreements. Course Information: Prerequisite(s): ECON 509.

ECON 515. International Monetary Policy. 4 hours.
Capital mobility and stabilization policy under fixed and flexible exchange rates; optimum currency areas; reform of international monetary system; problems of liquidity adjustment and confidence. Course Information: Prerequisite(s): ECON 511.

ECON 516. Development Economics. 4 hours.
Theoretical and empirical studies of economic development with an emphasis on research-relevant applications of theoretical concepts.

ECON 517. Economic Demography. 4 hours.
Economic analysis of fertility (number and timing of children), mortality, marriage and divorce, population age structure, the relationship between population growth and economic development. Course Information: Prerequisite(s): ECON 509.

ECON 518. Health Economics I. 4 hours.
Impact of training, legislation, institutional constraints, and discrimination on the labor market. Focus on demographic groups (race, nativity, ethnicity, gender). Course Information: Prerequisite(s): ECON 509.

ECON 519. Health Economics II. 4 hours.
Detailed treatment of the multivariate linear regression model using matrix algebra. Emphasis on formulating and testing static and dynamic econometric models.

ECON 520. Microeconomics for Business Decisions. 4 hours.
Efficient allocation of resources by consumers, profit and non-profit firms and government, regulation of industry, monopoly and imperfect competition, business ethics and the market place, efficiency versus equity, social welfare. Course Information: Credit is not given for ECON 520 if the student has credit in ECON 509. Prerequisite(s): MATH 165 or MATH 181 or the equivalent.

ECON 521. Labor Economics I. 4 hours.
Determinants of wage differentials; analysis of determinants and consequences of investments in human capital (schooling, on-the-job training, health); labor mobility, supply and allocation of time. Course Information: Prerequisite(s): ECON 509.
ECON 576. Economics of Taxation. 4 hours.
Analysis of the effects of taxation on economic behavior; taxation and public choice; the effects of taxation on the distribution of income; theory and empirical analysis of welfare effects of taxes; optimal tax theory; issues in tax policy and tax reform. Course Information: Prerequisite(s): ECON 509.

ECON 593. Internship Program. 0-8 hours.
Under the direction of a faculty supervisor, students work in government or a private firm on problems related to their major field of interest. Specific credit allotted is determined by the Graduate Curriculum Committee after receiving the supervisor’s recommendation. Course Information: Prerequisite(s): Completion of the core courses in the degree program in which the student is enrolled and approval of the internship program by the graduate adviser and the Graduate Curriculum Committee.

ECON 594. Special Topics in Economics. 1-4 hours.
An intensive study of a selected topic in economics. Course Information: May be repeated. Students may register in more than one section per term. Topics vary by sections and by term. Prerequisite(s): ECON 509; and consent of the instructor.

ECON 596. Independent Study. 1-4 hours.
Independent study under faculty supervision. Course Information: Prerequisite(s): Consent of the instructor.

ECON 598. Master's Thesis Research. 0-16 hours.
Independent research leading to an M.A. thesis. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 8 hours. Students may register in more than one section per term. Prerequisite(s): Grade of C or better in ECON 505 or Grade of C or better in ECON 534; and Grade of C or better in ECON 501 or Grade of C or better in ECON 509 and consent of the chair of the thesis committee.

ECON 599. Ph.D. Thesis Research. 0-16 hours.
Research on a Ph.D. thesis. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the chair of the thesis committee.