

Graduate Courses

Fall Semester 2022

| No. | Course Code | Course name | Credits | Course Description |
|-----|-------------|--------------------------------|---------|---|
| 1. | EE613 | Contemporary Economic Issues 1 | 3 | This course presents current economic issues in Thai and global economy. The main objective of this course is to apply economic theories and concepts to analyze current Thai and global economic issues. |
| 2. | EE631 | Monetary Economics | 3 | Prerequisites: EE612 or with the instructor's permission. Monetary economics. Theoretical and empirical analyses. Dynamic stochastic general equilibrium (DSGE) models for policy analysis. Nominal price and wage friction. Discretion and commitment in optimal monetary policy. Welfare-based policy analysis. The welfare cost of inflation. Open economy DSGE models for policy analysis. Monetary policy and asset prices. |
| 3. | EE626 | Advanced Econometrics | 3 | Prerequisite: EE 625 Advanced econometric models including microeconomic and macroeconomic models. Advanced time-series models. Models for limited and qualitative dependent variables. Linear and nonlinear panel data models. Practical applications of these models are offered, using econometrics software and interpreting the estimated results. |
| 4. | EE711 | Advanced Microeconomics 1 | 3 | Consumer behavior using a preference-based approach (emphasizing axiomatic analyses on preference relations and the construction of utility functions. Utility maximization and expenditure minimization problems. Basic welfare economics. Production theory (i.e., Profit maximization and cost minimization problems). Consumer behavior at times of risk and uncertainty; Basic general equilibrium models. |
| 5. | EE712 | Advanced Macroeconomics 1 | 3 | Dynamic macroeconomic theory. Dynamic programming and other recursive modeling techniques. Issues in dynamic fiscal policy such as Ricardian Equivalence, Tax smoothing, and Capital taxation. Models of asset pricing. Issues in dynamic monetary policy such as the welfare cost of inflation and the time inconsistency problem. Issues in economic growth and income difference across the nation. Real business cycle models. |
| 6. | EE713 | Advanced Microeconomics 2 | 3 | Prerequisite: EE711 or with the instructor's permission. Game theory and its applications to economic issues. Market power. Adverse selection. Moral hazard. Intertemporal decision making. Analysis of general equilibrium with risk and uncertainty. Social choice theory. Further extensions of game theory. Bargaining. Mechanism design. Contract theory. Auction theory. |

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| 7. | EE714 | Advanced Macroeconomics 2 | 3 | Prerequisites: EE712 or with the instructor's permission. Dynamic macroeconomic theory with tools in a dynamic general equilibrium framework. Dynamics of the optimal growth model and real business cycle. Stochastic growth models and their policy implications. Recursive methods for computing equilibria of business cycle models, including the simulation and calibration methods. Simple endogenous growth theory and its empirical implications. Other macroeconomic models. The optimal monetary policy in closed and opened economy. |