Syllabus:

Cost

Revenue

Profit

Simple interest

Compound interest (discrete and continuous)

Supply

Demand

Surplus

Shortage

Elasticity

Tax

Subsidy

Deadweight loss

Utility function

Production functions

Debt

Deficit

Pareto principle

Walras marginality and equilibrium theories

Kondratiev waves

Keynesian model

Approximation

Conditional minimum and maximum

Stochastic processes

Decision making

Monte Carlo simulation

Fuzziness

Neural-networks

Game theory

Graph theory

Complexity theory

Log-Normal distribution

European option

American option

Ito’s lemma

Black-Scholes model