

Master`s Exam Topics – Economics Sustainable Development – second-cycle studies

1. Theories of consumption, utility, and theories of consumer behaviour.
2. Production theory – production functions, production costs, production optimization.
3. Competitive market theory – perfect competition, monopoly, oligopoly, market efficiency and reliability.
4. Money – role, types, functions, measures, functioning of the money market, prices and their role in the economy.
5. Monetary policy – function of the central bank, monetary policy instruments.
6. Fiscal policy – public spending, taxes, budget deficit, public debt.
7. Business cycle theories.
8. Economic growth models: the Solow model and endogenous economic growth.
9. Macroeconomic indicators, difficulties in measuring macroeconomic variables.
10. The labour market, surpluses, shortages, structural mismatches, unemployment, and labour market policy.
11. Prospect theory by D. Kahneman and A. Tversky.
12. Trade policy – free trade – arguments for and against.
13. Financial markets and institutions – functioning of financial markets, stock exchanges, investment banks.
14. Capital and investments – investment models, capital decisions, investment financing structure.
15. Risk management – theories and instruments of financial risk management.
16. Exchange rates and exchange rate policy – exchange rate systems, international monetary systems.
17. Social policy – social security and social services issues.
18. Environmental economics – natural resources, sustainable development, climate change.
19. Global and international development issues.
20. Equilibrium in macroeconomic models – the IS-LM model, aggregate demand and aggregate supply function (AS-AD model).
21. Economic foundations of the European Union.
22. Demand and supply trends in economic theory – basic features, characteristics, representatives.
23. Human capital theory.
24. Income and wealth inequality – analysis of the causes of inequality, ways to reduce inequality.
25. Statistical methods in economic data analysis.
26. The importance of econometrics in the analysis of economic phenomena. Applications of econometric models for forecasting macroeconomic indicators.
27. Marginal analysis as a method of determining the optimal production output.
28. Decision trees as a decision support tool in the enterprise.
29. Linear programming as a method of determining the optimal production of two goods.
30. Cost-benefit analysis as a decision support tool in the public sector.
31. The essence of sunk costs.
32. The theory of cardinal utility and the theory of ordinal utility.

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33. Production laws (e.g. additivity of production processes, lack of cornucopia, irreversibility of the production process, possibility of waste).
34. IS-LM model - assumptions, principles of curves construction, and application.
35. Independence of the central bank – idea, types, arguments for and against.
36. Behavioural macroeconomics – concept, detailed issues, premises for development.
37. Growth and economic development – differences and barriers.
38. Verification of hypotheses and statistical inference (stages, examples, error).
39. The level of significance and the level of confidence in statistical inference.
40. Basic characteristics of the Gauss-Laplace distribution.
41. Share and rights arising from its possession.
42. Risk-free rate of return.
43. Basic differences between debt and ownership financial instruments.
44. Tax havens.
45. Paris Club and London Club in relation to international debt.
46. Discount methods in the evaluation of economic projects.
47. The essence of the account of the economic efficiency of economic projects.
48. Life cycle of an economic project.
49. The economic doctrine of Keynes.
50. Linear and nonlinear trend models.