



**Катедра по организация и
икономика на фармацията**

4002 Пловдив, бул. Васил Априлов 15А

email: pharm.economics@ff.mu-plovdiv.bg



**Department of Organisation and
Economics of Pharmacy**

15A, Vassil Aprilov Blvd., 4002 Plovdiv, Bulgaria

email: pharm.economics@ff.mu-plovdiv.bg

**PHARMACOECONOMICS
IX WINTER SEMESTER ACADEMIC YEAR 2024/2025, V COURSE
EXAM TOPICS**

1. Pharmacoeconomics. Basic concepts and methods. Health economics and pharmacoeconomics - common features and differences. Efficiency and effectiveness. Areas of application and users of pharmacoeconomics analyzes.
2. Measuring and estimating costs of medical therapy. Cost categorization. Timing adjustments for costs. Perspectives of the pharmacoeconomic studies.
3. Measuring outcomes of medical therapy.
4. Cost-Minimization Analysis. Pharmaceutical Equivalence. Methodology, limitations, examples of application in pharmaceutical practice.
5. Cost-Effectiveness Analysis. Methodology, limitations and advantages, examples for application in pharmaceutical practice. Cost-effectiveness grid.
6. Cost-Utility Analysis. Methodology, advantages and limitations, examples of application in pharmaceutical practice. Types of outcome measures.
7. Cost-Benefit analysis. Methodology, limitations, examples of use in pharmaceutical practice. "Willingness to pay" and formation of the psychological cost of medicinal products and services.
8. Budget Impact Analysis (BIA). Overview and methodology.
9. Pharmacoeconomic modeling. "Decision tree".
10. Pharmacoeconomic modeling. Markov modeling. Extrapolation models. Application and limitations of Markov modeling.
11. Assessment of health technologies. Application in regulatory practice.
12. Pharmacoeconomics in the practice of pricing and reimbursement.
13. Pharmacoeconomics in pharmaceutical production.
14. Requirements and guidelines for conducting pharmacoeconomic studies.
15. Pharmacoeconomics in medication use and hospital pharmacy.

Approved by:

/Head of department: Assoc. Prof. D. Kafalova, PhD/

The syllabus was approved by the Department council with Protocol № 04/22.05.2024