

COMMERCIALIZATION OF RESEARCH RESULTS

COURSE SYLLABUS ABSTRACT

Specialty 1-40 80 02 System Analysis, Information Control and Processing (by industry)
Second Stage of Higher Education (Master's Degree Program)

	STUDY MODE
	full-time
Year	1
Semester	1
Lectures, hours	18
Practical classes (seminars), hours	18
Exam, semester	1
Contact hours	36
Independent study, hours	72
Total course duration in hours / credit units	108/3

1. Course outline.

The purpose of the course is to develop Master's students' systematic understanding as well as universal and professional competencies in the field of commercialization of R&D results and technologies.

The objectives of studying the course are to give students the theoretical knowledge and practical skills necessary to manage innovative projects and commercialize R&D results.

2. Course learning outcomes.

Upon completion of the course, students will be expected to

know the main mechanisms needed to carry out innovation activities, the innovation process structure (cycle), the economic role of innovation; the main provisions and features of copyright and industrial property rights; the main principles and actions for evaluating the commercial potential of a technology necessary for its successful commercialization; processes and mechanisms for technology transfer to industry; marketing research techniques in the technology market; structure of an innovative product and related management features, etc.;

be able to assess commercial prospects of innovation; identify and analyze risks of specific innovation markets taking into account specific characteristics of a country, a region and an industry; use elements of the innovation market infrastructure to reduce risks of innovative business projects; use institutions of finance and credit infrastructure, government support and international relations, including investment funds;

possess methods and tools for commercialization of research results; techniques of developing business models and business plans for commercialization of R&D results; the skills to build mutually beneficial commercial relations when implementing research results in the sphere of production and services.

3. Competencies:

SC-1 Implement the results of research activities in the field of production and services

UC-5 Develop innovative receptivity and ability to innovate

UC-6 Be able to predict the conditions for the implementation of professional activities and solve professional tasks in conditions of uncertainty.

4. Requirements and forms of midcourse evaluation and summative assessment.

The following forms are used to diagnose competencies: written; oral-written.

To assess the level of knowledge of students, the following diagnostic tools are used: oral and written survey during practical classes; protection of individual tasks; passing the test.