

# FUNDAMENTALS OF INNOVATION POLICY AND ENTREPRENEURSHIP

## COURSE SYLLABUS ABSTRACT

Speciality 7-06-0612-03 **Information management systems**

Speciality 7-06-0714-02 **Innovative technologies in mechanical engineering**, profiling **Mechanical engineering and machine science**

Speciality 7-06-0714-02 **Innovative technologies in mechanical engineering**, profiling **Welding technologies**

Speciality 7-06-0714-02 **Innovative technologies in mechanical engineering**, profiling **Computer engineering of transport and technological machines**

Speciality 7-06-0715-01 **Transport**, profiling **Technical maintenance of motor vehicles**

Speciality 7-06-0716-03 **Instrumentation**, profiling Information systems and technologies for non-destructive testing

Speciality 7-06-0732-01 **Construction**, profiling Industrial and civil construction

Speciality 7-06-0732-01 **Construction**, profiling Road construction

Advanced higher education

|   | STUDY MODE |           |
|---|------------|-----------|
|   | full-time  | part-time |
| Year  | 1          | 1         |
| Semester                                      | 1          | 1         |
| Lectures, hours                               | 16         | 4         |
| Practical classes, hours                      | 16         | 4         |
| Pass/fail, semester                           | 1          | 3         |
| Contact hours                                 | 32         | 8         |
| Independent study, hours                      | 76         | 100       |
| Total course duration in hours / credit units | 108 / 3    |           |

**1. Course outline:** The essence of innovation and innovative activity. Modern ideas about innovation activity and its role in the economic development of the country. Theoretical and methodological foundations for the formation of state innovation policy. Basics of Entrepreneurship.

**2. Course learning outcomes:** the student must

**know:** the essence of innovation marketing; basic concepts and patterns of innovation marketing; scientific approaches to innovation marketing; functions and methods of innovation marketing; new organizational forms of innovative activity; features of innovation management; types of innovation marketing; types of competitive advantages; sources and forms of financing innovations; the main stages of creating an innovative project; methods for evaluating the effectiveness of an innovative project.

**be able to:** identify the needs of innovative consumers; carry out market positioning of an innovative product and determine its market potential.

**to possess a skill:** of mastering methods of purposeful search and generation of innovative ideas; of mastering methods of forecasting the market, prices and other characteristics of innovations; of mastering methods of marketing analysis of an innovative project.

**3. Competencies:**

Specialty 7-06-0612-03 **Information management systems** - Own the technology of marketing research in solving the problems of research and innovation (UC-9);

Specialty 7-06-0714-02-1 **Innovative technologies in mechanical engineering**, profiling **Mechanical engineering and mechanical engineering** - Develop innovative receptivity and ability to innovate (UC-5);

Specialty 7-06-0714-02-2 **Innovative technologies in mechanical engineering**, profiling **Welding technologies** - Develop innovative receptivity and ability to innovate (UC-5);

Specialty 7-06-0714-02-3 **Innovative technologies in mechanical engineering**, profiling **Computer engineering of transport and technological machines** - Develop innovative receptivity and ability to innovate (UC-5);

Specialty 7-06-0715-01 **Transport**, profiling **Technical operation of vehicles** - Develop innovative receptivity and ability to innovate (UC-5);

Specialty 7-06-0716-03 **Instrumentation**, profiling **Information systems and non-destructive testing technologies** - Develop innovative receptivity and ability to innovate (UC-5);

Specialty 7-06-0732-01 **Construction**, profiling **Industrial and civil construction** - Develop innovative receptivity and ability to innovate (UC-5);

Specialty 7-06-0732-01 **Construction**, profiling **Road construction** - Develop innovative receptivity and ability to innovate (UC-5).

**4. Requirements and forms of midcourse evaluation and summative assessment:** The module-rating system is used. Intermediate certification: assessment of work in practical classes, defense of completed individual tasks. Current certification: pass/fail.