

## Description of Discipline

Title of Discipline / <b>Economics and Organization of Innovative Activity</b>				
Semester	Duration	Type of Discipline	ECTS Credits	Student Workload
6	210 hrs.	elective	7	60 hours of teaching, 150 hours of self-study

Requirements for Participation	Type of examination (oral, written, term paper, etc.)	Methods of teaching and learning (lectures, seminars, etc.)	Discipline Coordinator
Completed disciplines 'Political Economy', 'Business Economics', 'Macroeconomics', 'Microeconomics', 'Computer Science'	Written exam	Lectures, practical classes, self-study, individual assignments	M. Polenkova

Learning Outcomes
<p>GC3. Ability to abstract thinking, analysis and synthesis.</p> <p>GC4. Ability to apply knowledge in practical situations.</p> <p>GC5. Ability to communicate in the state language both orally and in writing.</p> <p>GC6. Ability to communicate in a foreign language.</p> <p>GC7. Skills in the use of information and communication technologies.</p> <p>GC8. Ability to search, process and analyze information from various sources.</p> <p>GC9. Ability to adapt and act in a new situation.</p> <p>GC10. The ability to be critical and self-critical.</p> <p>GC11. Ability to make informed decisions.</p> <p>SC7. Ability to use computer technology and data processing software to solve economic problems, analyze information and prepare analytical reports.</p> <p>SC10. Ability to use modern sources of economic, social, managerial, accounting information for the preparation of official documents and analytical reports.</p> <p>SC11. Ability to substantiate economic decisions on the basis of understanding the laws of economic systems and processes and using modern methodological tools.</p> <p>SC12. The ability to independently identify problems of an economic nature in the analysis of specific situations, to suggest ways to solve them.</p> <p>SC22. Implement in the production system and enterprise management system developed measures and design solutions to improve the efficiency of the enterprise in conditions of uncertainty and risk.</p> <p>SC31. The ability to formulate management decisions, evaluate and choose their alternatives ", think creatively.</p> <p>PLO2. Understand the principles of economics, features of economic systems.</p> <p>PLO4. Be able to analyze the processes of state and market regulation of socio-economic and labor relations.</p> <p>PLO9. To analyze the functioning and development of economic entities, to determine the functional areas, to calculate the relevant indicators that characterize the effectiveness of their activities.</p> <p>PLO10. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the results.</p>

PLO11. Identify sources and understand the methodology for determining and methods of obtaining socio-economic data, collect and analyze the necessary information, calculate economic and social indicators.

PLO12. Be able to use data, provide arguments, critically evaluate logic and draw conclusions from scientific and analytical texts on economics.

PLO14. Use regulations and legal acts governing professional activities.

PLO15. Use information and communication technologies to solve socio-economic problems, prepare and present analytical reports.

PLO19. Be able to independently identify economic problems in the analysis of specific situations, to suggest ways to solve them.

PLO21. Be able to develop optimal plans for the enterprise as a whole and its individual units.

PLO24. Have knowledge of ensuring safe working conditions and the environment when conducting research in production activities.

PLO27. Ability to apply knowledge and understanding to solve problems that are characteristic of the economy.

PLO28. Ability to provide assistance and advice to employees and the public on practical issues of life safety and protection in emergencies.

## Contents

### **MODULE 1. CHARACTERISTICS OF INNOVATIONS AND INNOVATIVE PROCESSES**

#### **Topic 1. Contents of the discipline. Basic concepts: the essence of the innovation theory**

The life cycle of innovation. Innovative activity. Innovative infrastructure. Law of Ukraine 'On Innovative Activity'.

#### **Topic 2. Development of the theory of innovative development and its modern concepts**

Innovation cycle. Kondratiev's long wave theory of innovation. Classical theory of innovation. Neoclassical theory of innovation. Acceleration theory.

#### **Topic 3. Scientific and technological progress as a basis of innovation**

Sources of innovative ideas. The role of science in the innovation process.

#### **Topic 4. Classification of innovations and their features**

Basic innovations. Product and process innovation. Schumpeter's theory. Integrating innovation. Social innovations.

### **MODULE 2. INNOVATIVE MANAGEMENT IN THE ORGANIZATION MANAGEMENT SYSTEM**

#### **Topic 5. Structure and content of enterprise innovation activity**

Idea generation, idea selection, idea development, and testing, economic analysis, trial marketing, product sales, development intensification.

#### **Topic 6. Innovation potential and evaluation of innovation performance**

Components of the innovation potential of an organization. Enterprise resources.

Types of performance. Methods for evaluating the economic efficiency of innovations. Ecological evaluation of innovations.

#### **Topic 7. State regulation of innovative activity**

The role of the state in regulating the innovation process and innovative activity. State innovation policy. Methods of innovation policy implementation.

#### **Topic 8. Models of organization of innovation process in different countries**

Models of organization of innovation process in the USA, Japan and the countries of Western Europe.

## Exemplary Literature

### **Primary**

1. Blaug M. Management of innovations: Ukraine and foreign experience: Monograph. - K.: Viktoria, 2011. - 312 p.

2. Vasilenko V.O. Innovation Management: textbook. / V.O. Vasilenko, V.G. Shmatko. - K.: ЦУЖІ, 2003. - 439 p.
3. Goncharova N.P. Marketing of the innovation process: a textbook / N.P. Goncharova, P.G. Pererva, A.N. Alymov, etc. - K.: 1998. - 276 p.
4. Grinyov A.V. Innovative development of industrial enterprises: concept, methodology, strategic management. - H.: INZHEK, 2003. - 308 p.
5. Economics and organization of innovation: a textbook / ed. O.I. Volkova, M.P. Denisenko. - K.: Professional, 2011. - 960 p.
6. Zhykhor O.B. Innovative development of the region: monograph / O.B. Zhykhor, T.M. Kutsenko. - K.: UBS NBU, 2012. - 251 p.

#### Supplementary

1. Investment and innovation factors of formation development and management of competitive potential of the enterprise: Monograph / D.V. Solokha, V.V. Moreva, S.O. Chirkov, V. Ya. Kozlova, O.V. Belyakova. - Donetsk: SPD Dmitrenko L.R., 2010. - 400 p.
2. Innovative strategy of Ukrainian reforms / A. Galchynsky, V. Geets, A. Kinakh, V. Seminozhenko. - K.: Znannia, 2012. - 336 p.
3. Lukyanenko D.G. Management of international competitiveness in the context of globalization of economic development: monograph: in 2 volumes / D.G. Lukyanenko, A.P. Poruchyk, L.L. Antonyuk et.al. - K.: KNEU. - 2006. - 816p.
4. Mykytyuk P.P. Innovative activity: textbook. / P.P. Mykytyuk, B.G. Seniv. - Kyiv: Center for Educational Literature, 2009. - 392 p.

#### Web resources

1. <http://www.business-guide.com.ua/enterprises>. - a list of the most successful companies that effectively use the functions and methods of management.
2. <http://www.ternstat.tim.net.ua>. - statistical data of enterprises of all sectors of the economy operating in the Ternopil region.
3. <http://www.ukrstat.gov.ua>. - statistical data that characterize the development of Ukraine's economy.
4. <http://www.baekdal.com/downloads/changemanagement-en.pdf> – Change management Handbook.
5. [http://www.fs.fed.us/fire/aviation/av\\_library/Change%20Management%20and%20Implementation%20Guide%202011%20Final\\_w\\_Cover\\_toc.pdf](http://www.fs.fed.us/fire/aviation/av_library/Change%20Management%20and%20Implementation%20Guide%202011%20Final_w_Cover_toc.pdf) – Change management and Implementation Guide.

#### Academic staff

Name	Academic degree	Position	Qualification / Academic Discipline	Full-time / Part-time	Area of Teaching
Polenkova Maryna Volodymyrivna	PhD in Economics	Associate Professor at the Department of Theoretical and Applied Economics	Financial and Economic Re-Training Institute of Chernihiv Technological Institute (1996), specialty – Finance and Credit, qualification – Economist; PhD in Economics 08.00.05 Development of Productive Forces and Regional Economics	Full-time	Regional Economics, Marketing, Organization of Production, Economics and Organization of Innovative Activity, Logistics, Mathematical Modeling of Business Activity, Substantiation of Business Decisions and Risk Assessment, Economic Substantiation of Projects