



Course Syllabus

1. Course Title:

Innovation Management

2. Academic Level:

Master

3. ECTS Credits:

6 ECTS

4. Semester:

3, autumn semester

5. School/Department:

Faculty of Management

6. Location:

200/1 Stachki Avenue, Rostov-on-Don

7. Instructor:

Associate prof. Evgenia Roshchina, E-mail: ev_roschina@mail.ru

8. Language of Instruction:

English

9. Course Description:

Goals mastering the discipline (module): to form students' general theoretical ideas about innovations and innovative activities, information support for the choice and implementation of an innovative strategy, to instill practical skills in selecting and developing projects that contribute to the implementation of the strategy and the achievement of goals at the level of international management

10. Course Aims:

- study of trends in the development of innovative activities;
- clarification of the conceptual foundations of the study of the laws of scientific and technological development, changes in technological structures, business cycles;
- assessment of information prerequisites for ensuring strategic management of the development of an organization based on innovations;
- understanding the methodological foundations and mastering the practice of strategic analysis;
- mastering the practice of expert assessments of innovation potential and innovation climate;
- study of methodology and calculation of quantitative parameters of innovation potential, innovation climate, strategic position of the company;
- mastering approaches to identifying problems and choosing strategic solutions for their extension;
- clarification of the conceptual foundations of project management of the organization;
- mastering the practice of selecting and developing projects - the main tool for implementing the company's strategy;
- mastering the theory and practice of change management during project implementation;
- study of the organizational foundations of innovation management.

11. Specific entry requirements (if any):

Knowledge:

- historical aspects of the formation of innovative ideas in the history of management;
- the essence and structure of management as a theory of management of organizations;
- features of management of organizations in various fields;
- features of planning, organization, motivation and control of innovative activity;
- scientific, theoretical and managerial potential of modern socio-economic and innovation policy in the Russian Federation;
- state of the art in process management.

Skills:

- analyze situations in the management of organizations;
- predict the possible results of R&D.

Skills:

- knowledge of project management methods.

12. Course Content:

This course includes two modules. Module 1 Economics and strategies for financing innovation.

1.1 Economic foundations of management and strategy in innovation

1.2 Financial support for innovation activities

Module 2 Management of innovative development economy.

2.1 Innovative Development Economics

2.2 Technologies for managing innovative economics of development

13. Intended Learning Outcomes:

Know: economic interests, motives and criteria for innovation; basic concepts and methodology for managing the economy and financing of innovative activities, aimed at increasing the capitalization of the organization; methodology for managing own funds, internal and external sources of financing of the organization. theoretical foundations for managing innovative macroeconomic processes; basic methods, techniques and techniques for analyzing and modeling the dynamics of the innovative development economy.

Be able to: identify possible sources of financing for innovation activities; analyze the innovative climate of the company, the investment potential of the organization and the direction of its use in innovative activities; predict the economic and financial consequences of the development and implementation of innovative projects; conduct economic monitoring of the implementation of innovations; apply methods of analysis and modeling of innovative processes; choose the means of economic and mathematical analysis that are most effective for building specific models of innovation-oriented economic processes; correctly understand and interpret the results of the analysis and modeling of innovative processes.

Own: methodological tools for assessing financial potential, including methods for assessing financial flexibility and sensitivity analysis; methods of financial evaluation of innovative projects, including the

calculation of indicators of overall and commercial efficiency, taking into account risk and inflation; skills in choosing forms and options for investment in innovation; the skills of collecting primary information and storing data for the analysis and modeling of innovative processes; skills of independent construction of models of innovation-oriented economic processes using modern professional computer programs; skills of self-acquisition of knowledge and advanced training in the field of analysis and modeling of innovation-oriented processes.

14. Learning and Teaching Methods:

- Students' self-guided reading of the educational material, course books and reference materials with follow-up free discussion based on the material studied;
- Implementation of supporting (illustrating) data, involving the use of multimedia presentation equipment containing basic terms, graphs and tables;
- Analysis of Case-Study for the students to understand the nature and significance of applied tasks under consideration;
- Testing;
- Essay writing;
- Fulfillment of individual tasks on the topics and examples provided.

15. Methods of Assessment/Final assessment information:

- Students' self-guided reading of the educational material, course books and reference materials with follow-up free discussion based on the material studied;
 - Implementation of supporting (illustrating) data, involving the use of multimedia presentation equipment containing basic terms, graphs and tables;
 - Analysis of Case-Study for the students to understand the nature and significance of applied tasks under consideration;
 - Testing;
 - Essay writing;
 - Fulfillment of individual tasks on the topics and examples provided.
- Final certification - EXAM

16. Reading List:

Qingrui Xu · (2023) Total Innovation Management Theory and Practice
Joe Tidd, Joseph Tidd, John R. Bessant · (2020) Managing Innovation Integrating Technological, Market and Organizational Change
Changing The Dynamics And Impact Of Innovation Management: A Systems Approach And The Iso Standard (2022) by World Scientific Publishing Company
Stefano Biazzo, Roberto Filippini · (2021) Product Innovation Management Intelligence, Discovery, Development
Jan van den Ende · (2021) Innovation Management by Bloomsbury Publishing