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## **Research plan for preparing english language course of lectures**

### **"Integration of high-tech entertainments in the field of medical industry"**

The purpose of the research is to conduct researches and create the english language course of lectures "Integration of high-tech entertainments in the field of medical equipment" in order to promote the development of students' skills and knowledge of organization and management of organizational and economic forms of cooperation between companies and organizations in the form of integrated structures, specially, in the form of clusters.

Innovation activity provides a dynamic sustainable economic development, improvement of technological and technical base of new competitive products production and reducing costs. One effective tool for the implementation of promising new development is the creation of integrated structures in the form of innovation clusters (regional, industry and others.). As part of the course,

students are introduced to the theoretical and practical aspects of cluster formation, development strategy, criteria for assessing performance.

The examples of the implementation of clusters and innovative projects in the field of medicine and biotechnology in Russia and worldwide presented.

**Preliminary structure of the course to be created:**

**Module 1 "Sectoral organization of economy. Formation of companies integration strategies in different sectors of economy".**

High-tech enterprise, as a multifactor system. The classification of enterprises according to industry and type of activity. Formation of the enterprise sector strategy. The main stages of development, implementation, production and operation of high-tech products to meet the requirements of national and international standards of quality, safety and environmental.

**Module 2 "Integrated production structures in industry and management of innovative processes in them"**

Innovative activities of enterprises. Management of innovative processes. Quality management systems. The introduction of quality management system for enterprises to meet the requirements of national and international standards. Forms of integration of high-tech enterprises. Fundamentals of organizational and economic formation of integrated structures.

**Module 3 "Development of programs for the development of integrated manufacturing structures in the form of clusters"**

Types and organizational forms of clusters. Organisational and management structures of clusters. The basic principles of development of the integrated structures in the form of clusters. Formation of innovation clusters development programs. Methodical, organizational, expert, analytical and information support of innovative territorial clusters development.