

## **Department “Commerce & Business Management”**

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### **Industry 4.0 & Innovation Management in the Digital Economy** **Duration – 2 months.**

**Supervisor – Nina Kazakova, Doctor of Economics, Professor at the Commerce and Business Management Department**

#### Course Objectives

The relevance of the development of the educational program “Industry 4.0 & Innovation Management in the Digital Economy” is due to a number of factors. This program explores the following areas: the implementation of Industry 4.0 in the digital economy; the development of innovations in analog and digitized production processes; the main directions of management of the digital economy in the Russian economic space on the basis of Management 4.0.

Companies are incorporating Industry 4.0 technologies into their operations, and creating new business models through digitalising and transforming their products and services. As companies innovate or collaborate with other parties on new technology developments, creation and protection of intellectual property has also become an important source of competitive advantage.

The course describes how technologies and innovations can be applied to business operations and processes in digital economy. It will also address issues such as management of ownership on the R&D collaboration results, rights to use the outcome of the collaboration, commercialisation and sharing of revenue, and many other issues.

#### Learning outcomes:

1. Transformative and disruptive potential of new technology developments
2. Overview of key technologies in Industry 4.0
3. Manage and protect intangible assets in supply chain
4. Overcome challenges related to intellectual property in licensing and research collaborations

#### Course Outline:

- History and evolution of Industry 4.0
- Technology adoption curve and innovation matrix
- General Introduction to IP Issues in R&D Collaborations
- Innovation Commercialization and common issues which may arise during the course of collaboration, and after completion of R&D

**Logistics. International supply chain management**  
**Duration – 1 month**

**Supervisor: Vladimir Tregubov, Doctor of Economics, Professor  
at the Commerce and Business Management Department,**

As the global economy has expanded, logistics has become one of the most important career fields in the world. Interning in logistics will introduce you to a varied range of work areas which may include assisting in inbound and outbound traffic, managing the buying and delivery process of goods, and the placement of delivery of purchased orders.

The main objective of internship is to obtain international experience in supply chain management and enhance your knowledge in logistics.

Program content:

- Features of export-import operations: export, import, supply within the community.
- Management of distribution channels of international companies
- Warehouse management system as a fundamental element to ensure the performance and quality of the distribution center;
- Implementation of logistics functions in international companies;
- Innovation in logistics;
- Visit to a modern high-tech warehouse complex.