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| **Course Syllabus** | |
| Course Name | Digital economy |
| Category | Master level |
| Year Taken | First Year |
| Offered Major/ Type of Course | Elective |
| Number of Credits | 5 |
| Number of Classes | 21 |
| Professor | Tatsiana Beliatskaya  Email : beltan@tut.by |
| Course Description | Provide a set a set of knowledge about the directions of development of national economic systems in the context of the digitalization of economic sectors, as well as the digitalization of economic management processes, a set of skills for analyzing electronic markets and certain aspects of the activities of organizations in the e-business industry |
| Course Policy | Netiquette : Refer to the Netiquette Policy in the Student Handbook. Student with special needs : Refer to the Students with Disabilities and Accommodation Policy in the Student Handbook. Academic Honesty : Refer to the Student integrity and Academic Honesty Policy in the Student Handbook. Honor Code : Refer to the Honor Code Policy in the Student Handbook. |
| Course Objective (Goal) | Give the students the system of knowledge, skills and competencies needed to use the methodology of digital economy development, a set of instruments of e-business organization analysis  Give the students the system of knowledge, skills and competencies needed to be able to solve professional problems based on knowledge (at an advanced level) of economic, organizational and management theory, innovative approaches, generalization and critical analysis of management practices  Give the students the system of knowledge, skills and competencies needed to be able to manage the digital transformation of an organization's business |
| Learning Outcome | *Knowledge:* directions of formation and development of electronic economic systems at the macro and micro levels; factors of development of electronic economic systems; methods of digital transformation of the organization; methods of analysis of electronic markets and e-business organizations  *Skills:* making decisions on the directions of development of the national electronic economic system, on the development of electronic business, on the methods and mechanisms of digital transformation of business processes. |
| Course Progression | The Course contains lectures in English with a variety of examples, seminars in English studying of the main themes of the course and discussing issues with the students, analytical models, practical training in English with the study of business cases on the subject of the course, as well as group work of students in business case analysis, discussion of self–training results with the students |
| Course Outline | There will be 6 lectures as below and 15 practical classes on the same topics |
| |  |  |  | | --- | --- | --- | | Lecture | Course Title | Key Points | | Lecture 1 | Genesis of digital economy and digital transformation | The essence, goals and objectives of macro and micro digital economy. Digital economy – concept, types, causes. Methods of analysis of ICT. Methods of management of economy sector. ICT as a factor of digital economy development and digital transformation tools. Methods of detecting ICT for digital transformation. The main resources of digital economy. | | Lecture 2 | Institutional development as a basis of digital economy and digital business | The main issues of government regulation in the digital economy fields. | | Lecture 3 | ICT as a factor of digital transformation | Characteristics of ICT from economy viewpoint. Methods of decision making regarding use of ICT for digital business development | | Lecture 4 | E-business as a core digital economy industry | The essence, goals and objectives of e-business as a core digital economy industry. Methods of E-business analysis. Methods and business models of e-business development. The main tendency of e-business development. | | Lecture 5 | E-markets | The essence, goals and objectives of e-markets as a core digital economy system. Methods of E-markets analysis. | | Lecture 6 | Development of core e-markets and core digital industries | Advertising market. E-commerce market. E-health market. Mobile services market. | |
| Grade Evaluation and Course Requirement | Number of Assignments: 21 (All 21 assignments are required)  Tests, criteria – number of right answers (more than 50%),  homework, criteria – adopting theoretical knowledge to practical situations,  colloquium, criteria – the completeness of the disclosure of the theoretical question.  Grades will be evaluated on the scores of the assignments from grades A to F.   |  |  | | --- | --- | | Grade | Score | | A | 85 - 100 | | B | 71 - 84 | | C | 60- 70 | | D | 50 - 59 | | F | 49 and under |   \*Minimum Course Requirement: C or above |