**Syllabus**

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| **Basic data of the subject** | | | | |
| **Academic unit:** | **Faculty of Engineering and Informatics** | | | |
| **Title of the subject:** | **Innovation Management** | | | |
| **Level:** | **Master** | | | |
| **Course Status:** | **Core** | | | |
| **Year of studies:** | **I** | | | |
| **Number of hours per week:** | **4** | | | |
| **Value of Credits - ECTS:** | **6** | | | |
| **Time / location:** |  | | | |
| **Course lecturer:** | **Prof.Dr. Ibrahim Cunaku** | | | |
| **Contact details:** |  | | | |
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| **Course Description** | *Innovation Management and Business Modeling. Theoretical Framework of Innovation Development and Creativity, Innovation and Entrepreneurship.Buddle of New Ideas. Intellectual Property Management. Problems in implementing innovations / Resistance to innovations The importance of creative approach to innovation development. Creative problem solving process Innovation acceptance and implementation phase. Adapting Innovations.* | | | |
| **Objectives of the course:** | *This course examines the concept of innovation and its relevance to the organization including process management. The study covers innovation in the technology process, innovation in corporation / enterprise, innovation in research, innovation setting in industrial manufacturing* | | | |
| **Expected learning outcomes:** | *Upon successful completion of this subject, student will be able to:*   * *understand the importance of knowledge and creativity in the function of innovation and sustainable development,* * *know about the nature, process and phases of creation and innovation and the process of turning ideas into innovations* * *understand the importance of innovations in the context of globalization;* * *analyse interconnections between innovation and creative entrepreneurship.* | | | |
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| **Contribution to the student load (which must correspond with learning outcomes)** | | | | |
| **Activity** | | **Hour** | **Day/Week** | **In total** |
| Lectures with lab tutorials | | 4 | 15 | 60 |
| Internship | |  |  |  |
| Contacts with teacher / consultations | | 2 | 4 | 8 |
| Field exercises | |  |  |  |
| Midterm, seminars and projects. | | 15 |  | 15 |
| Homework | |  |  |  |
| Self-learning time student (at the library or at home) | | 3 | 15 | 45 |
| Final preparation for the exam | | 20 |  | 20 |
| Time spent on evaluation (tests, quiz and final exam) | | 1 |  | 1 |
| Projects and presentations. | | 1 |  | 1 |
| **Total** | |  |  | **150** |
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| **Teaching methodology:** | *Lectures combined with case studies* | | | |
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| **Assessment methods:** | *Group assignment with presentation 40 %*  *Exam 60 %* | | | |
| **Literature** | | | | |
| **Basic Literature:** | 1. Trott, P (2008) Innovation Management and New Product Development, Prentice Hall. | | | |
| **Additional Literature:** | 2. Ettlie, J.E., 2000, “Managing Technology Innovation”, John Wiley & Sons | | | |
| **The ratio of theory and practice** | *60% theory with numerical exercises and 40% laboratory work.* | | | |

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| **Designed learning plan** | |
| **Week:** | **Lectures and exercises to be held** |
| **Week one:** | *Introduction* *and business model.* |
| **Week two:** | *Theoretical Framework of Innovation and Creativity Development, Innovation and Entrepreneurships.* |
| **Week three:** | *Theoretical Framework of Innovation and Creativity Development, Innovation and Entrepreneurships.* |
| **Week four:** | *Sources of New Ideas. Intellectual Property Management.* |
| **Week five:** | *Sources of New Ideas. Intellectual Property Management.* |
| **Week six:** | *Sources of New Ideas. Intellectual Property Management.* |
| **Week seven:** | *Problems in implementing innovations/Resistance to innovations.* |
| **Week eight:** | *Problems in implementing innovations/Resistance to innovations.* |
| **Week nine:** | *Problems in implementing innovations/Resistance to innovations.* |
| **Week ten:** | *The importance of creative approach to innovation development.* |
| **Week eleven:** | *The importance of creative approach to innovation development.* |
| **Week twelve:** | *Creative process of problem solving The phase of acceptance and implementation of innovation.* |
| **Week thirteen:** | *Creative process of problem solving The phase of acceptance and implementation of innovation.* |
| **Week fourteen:** | *Adapting Innovations* |
| **Week fifteen:** | *Adapting Innovations* |

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| **Academic policies and rules of conduct** |
| *Regular attendance of lectures and exercises is necessary, as well as active participation with discussion and solution of tasks. Not impeding the progress required for learning using mobile phones turned off or in silent mode.* |