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| **Subject** | **Professional Computer Science** | | | |
| Type | Semester | ECTS | Code |
| Z | 2 | 4 | 130FIT158 |
| **Lecturer** | Dr. Sc. Blerton Abazi, Luan Maloku | | | |
| **Course Assistant** |  | | | |
| **Aims and Objectives** | Prepare students to use IT independently in order to accomplish their tasks on working place  Moreover, students will learn to use available credible information that are available online and they will learn to conduct researches | | | |
| **Learning Outcomes** | **Security Concepts**  Threats to Data, Value of information, Personal security, File security  Malware, Definition and function types, Protection, Network security  Network, Network Connections  **IT basic**  • Understand what ICT is, as well as give examples about their application in daily life.  • Assess health and safety issues as well as some environmental protection factors that relate to the use of computers  • Supporting important legal issues related to copying, copyright protection related to computer usage.  • Show his / her knowledge and skills in using common computer functions to utilize the help functions.  **Internet of Things (Internet of Things IoT)**  • Understand how digital transformation transforms information into action, creating unique business opportunities  • Understand how IoT unites operational technology and information technology systems.  • Find out how business processes are transformed to evaluate and solve problems.  **Introduction to Operating Systems, Differences Between "Open Source and Closed Source"**  • Apply and work with definitions in Windows10 and work with Live IDs  • Users and privacy  • Work with apps  • File management  • Partition and file definitions  **Spreadsheets**  **Text processing**  **Presentations**  **Communication and impact of social networks** | | | |
| **Content** | **Weekly Plan** | | | **Week** |
| ICT basics, data security and ethics | | | 1 |
| ICT basics, data security and ethics | | | 2 |
| Internet of Things | | | 3 |
| Operating Systems | | | 4 |
| Operating Systems | | | 5 |
| Text Processing  Colloquium 1 | | | 6  7 |
| Text Processing | | | 8 |
| Text Processing | | | 9 |
| Spreadsheet Calculations | | | 10 |
| Spreadsheet Calculations | | | 11 |
| Presentations | | | 12 |
| E-communication and social media  Colloquium 2  Final test | | | 13  14  15 |
| 1. Exam | | 2 |  |
| **Literature/References** | 1. Customized material prepared by lecturer 2. Video lessons on Moodle 3. Windows 8.1, Besnik Skenderi (on moodle) 4. MS Word 2010 dhe MS Excel i avancuar 2010, Besnik Skenderi (moodle) 5. IT Siguria Besnik Skenderi (moodle) 6. MS Excel i Avancuar 2013 (moodle) 7. Migrimi ne SharePoint, Besnik Skenderi (moodle) 8. Shelly, Cashman and Vermatt, Discovering Computers 2004/2003/2002, Thomson Course Tech., 2004/2003/2002.   Rainer, Turban & Potter, Introduction to Information Systems, John Wiley & Sons | | | |
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