Informatyka - semester 2020-2021

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| **Name of course** | **Semester** | **ECTS** | **Form of class** | **Exam** |
| Modern programming techniques | Winter | 2 | Project in English | No |
| Low level programing | Winter | 3 | Project in English | No |
| Utility programs | Winter | 1 | Project in English | No |
| Algorithms and data structures | Summer | 5 | Project in English | Yes |
| Operational research | Summer | 3 | Project in English | No |
| Programming I | Summer | 5 | Project in English | Yes |
| Operating systems | Summer | 5 | Project in English | Yes |
| Computer architecture | Winter | 4 | Project in English | No |
| Databases | Winter | 4 | Project in English | Yes |
| Programming II | Winter | 5 | Project in English | Yes |
| Computer networks | Winter | 4 | Project in English | No |
| Software engineering | Summer | 4 | Project in English | Yes |
| Programming languages and paradigms | Summer | 3 | Project in English | No |
| Computer graphic and human – computer communication | Winter | 3 | Project in English | No |
| Artificial intelligence | Winter | 3 | Project in English | No |
| Embedded systems | Summer | 4 | Project in English | Yes |
| Programming of database application in C# language | Summer | 4 | Project in English | Yes |
| Database design | Winter | 4 | Project in English | Yes |
| Programming mobile devices | Winter | 4 | Project in English | No |
| Information security management | Summer | 4 | Project in English | Yes |
| Application Internet of things | Winter | 3 | Project in English | Yes |
| Decision processes | Winter | 3 | Project in English | No |
| Administration of database servers | Winter | 5 | Project in English | No |
| Creating secure code | Summer | 3 | Project in English | No |
| Basics of cryptography | Summer | 4 | Project in English | No |
| Web application | Summer | 4 | Project in English | No |
| Graphics design | Summer | 4 | Project in English | No |