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 |