

Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|------------------------|----------|--------|----------|-----|--------|------|
| MAT131 | Computer Programming I | 1 | 2 | 0 | 0 | 2 | 3 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | French |
| Course Type | Compulsory |
| Course Level | Bachelor Degree |
| Objective | In MAT131 Computer Programming 1, we will use the Python language to introduce computer science and learn the basic concepts of computer programming. |
| Content | Python programming language and introduction to computer science. |
| References | |

Theory Topics

| Week | Weekly Contents |
|------|-----------------------------------|
| 1 | Algorithmic Thinking |
| 2 | Variable Types |
| 3 | Conditional Expressions |
| 4 | Basic Mathematical Operators |
| 5 | Conditional Expressions |
| 6 | Loops |
| 7 | Loops |
| 8 | Loops and Conditional Expressions |
| 9 | Loops and Conditional Expressions |
| 10 | Functions |
| 11 | Functions |
| 12 | Functions |
| 13 | Functions |
| 14 | Functions |