

Content

| Course Code | Course Name | Semester | Theory | Practice | Lab | Credit | ECTS |
|-------------|--------------------------------------|----------|--------|----------|-----|--------|------|
| INF101 | Introduction to Computer Engineering | 1 | 1 | 1 | 0 | 1,5 | 2 |

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| Prerequisites | |
| Admission Requirements | |

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| Language of Instruction | French |
| Course Type | Compulsory |
| Course Level | Bachelor Degree |
| Objective | <ul style="list-style-type: none">• Introduces the Computer engineering as a discipline with all themes in it.• Introduces Algorithm design and the basic concepts of programming without being tied to any programming language transfers.• Presents the research laboratories established in the Computer Engineering department. introduces the students about ongoing research projects.• Creates the possibility of joint work and cooperation between lecturers of the Computer Engineering department and the freshmen |
| Content | <p>Week 1. General introduction with overall course material.</p> <p>Week 2. Distributed Systems & Applications</p> <p>Week 3. Software Development Processes</p> <p>Week 4. World of Programming Languages</p> <p>Week 5. Complex Networks and Analysis</p> <p>Week 6. Artificial Vision</p> <p>Week 7. Biomedical Applications</p> <p>Week 8. Algorithm Design -1</p> <p>Week 9. Algorithm Design -2</p> <p>Week 10. Semantic Web</p> <p>Week 11. Programming - 1</p> <p>Week 12. Human Machine Interface</p> <p>Week 13. Programming - 2</p> <p>Week 14. Robotics and Applications</p> |
| References | Course notes. |

Theory Topics

| Week | Weekly Contents |
|------|--|
| 1 | General introduction with overall course material. |
| 2 | Distributed Systems & Applications |
| 3 | Software Development Processes |
| 4 | World of Programming Languages |
| 5 | Complex Networks and Analysis |
| 6 | Artificial Vision |
| 7 | Biomedical Applications |
| 8 | Algorithm Design -1 |
| 9 | Algorithm Design -2 |
| 10 | Semantic Web |
| 11 | Programming - 1 |
| 12 | Human Machine Interface |
| 13 | Programming - 2 |
| 14 | Robotics and Applications |