

## Content

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

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Compulsory
Course Level	Bachelor Degree
Objective	<ul style="list-style-type: none"><li>• Introduces the Computer engineering as a discipline with all themes in it.</li><li>• Introduces Algorithm design and the basic concepts of programming without being tied to any programming language transfers.</li><li>• Presents the research laboratories established in the Computer Engineering department. introduces the students about ongoing research projects.</li><li>• Creates the possibility of joint work and cooperation between lecturers of the Computer Engineering department and the freshmen</li></ul>
Content	<p>Week 1. General introduction with overall course material.</p> <p>Week 2. Distributed Systems &amp; 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