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	• Treats computer engineering as a discipline and introduces all sub-titles on this subject. • Transfers the basic concepts of algorithm design and programming without being bound to any programming language. • Introduces the research laboratories established in Galatasaray University Computer Engineering and informs them about the ongoing research projects. • Presents the software concept in all its aspects and conveys the production processes of the software • Provides the opportunity to work and cooperate with the faculty members and new students.
Content	1 week. Introduction, introduction, introduction of the course 2 weeks. Distributed Systems & Applications Three weeks. Software Development Processes 4th week. World of Programming Languages 5th week. Complex Networks and Analysis 6th week. Artificial Intelligence Algorithms and Approaches 7th week. Biomedical Applications 8th week. Algorithm Design -1 9th week. Algorithm Design -2 week 10. Semantic Web 11th week. Programming - 1 12th week. Human Machine Interface 13th week. Programming - 2 14th week. Robotics and Applications
References	Lecture notes

Theory Topics

Week	Weekly Contents
1	introduction of the course
2	Distributed Systems & Applications
3	Software Development Processe
4	World of Programming Languages
5	Complex Networks and Analysis
6	Artificial Intelligence Algorithms and Approaches
7	Biomedical Applications
8	Algorithm Design -1
9	Semantic Web
10	Programming - 1
11	Human Machine Interface
12	Programming - 2
13	Algorithm Design -2
14	Robotics and Applications