BLM1011 , Introduction to Computer Science, Group 2

Instructor: Assoc. Prof. H. İrem TÜRKMEN

Lecture Hours: Thursday, 09:00-11:50
Lab Hours: Thursday, 17:00-18:50
Classroom: D-B11

Textbook:

J. Glenn Brookshear, Dennis Brylow, "Computer Science: An Overview", Pearson International Edition, 2014*

Supplementary Textbook:

Vatansever Fahri, "Algoritma Geliştirme ve Programlamaya Giriş", Seçkin Yayıncılık, 2011

<u>Tentative Schedule:</u>

1. Introduction to Computer Science (Aims and Scope, Syllabus, Evaluation Metrics and Questions) (02.10.2025)
2. The Origins of Computing Machines, Data Storage, Number Systems (09.10.2025)
3. Computer Architecture, Data Manipulation, Integers and Fractional Numbers (16.10.2025)
4. Algorithm Concept, Flowchart, Flowchart Notations, Input/Output and Controls in Algorithms (23.10.2025)
5. Iterative Structures, Loop Conditions in an Algorithm (30.10.2025)
6. Introduction C Programming Language and Arrays (06.11.2025)
7. One-dimensional Arrays (13.11.2025)
8. Midterm-I (20.11.2025)
9. Strings (27.11.2025)
10. Multi-dimensional Arrays (04.12.2025)
11. Searching Algorithms (11.12.2025)
12. Midterm-II (18.12.2025)
13. Sorting Algorithms(25.12.2025)
14. Holiday (01.01.2026)
15. Operating Systems and Networking (08.01.2026)

GRADING (could be revised)					
	Homework	Lab	Semester Project	Midterm	Final
Number	3	4 + 3 + 1	1	2	1
Impact	%12	%12	%6	%30	40%

*J. Glenn Brookshear, Dennis Brylow, "Bilgisayar Bilimine Giriş", Nobel Akademik Yayın, 2016)
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Week-1   No Action (Lab Preparation)
Week-2   No Action (Lab Preparation)
Week-3   16.10.2025 Lab Rules Presentation (Online)
Week-4   23.10.2025 Homework I
Week-5   30.10.2025 Uygulama – I (Online)
Week-6   06.11.2025 Lab-I, Homework II
Week-7   13.11.2025   Uygulama – II (Online)
Week-8   Midterm (20.11.2025)
Week-9   27.11.2025 Lab – II, Homework III
Week-10 04.12.2025 Uygulama - III (Online)
Week-11 11.12.2025 Lab - III
Week-12 Midterm (18.12.2025) Semester Project
Week-13 25.12.2025 Lab - IV
Week-14 01.01.2025 Holiday
Week-15 No Action (Lab Preparation)

*J. Glenn Brookshear, Dennis Brylow, "Bilgisayar Bilimine Giriş", Nobel Akademik Yayın, 2016)
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