CEN111 Algorithms and Programming I

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- Fall 2024-2025
- Instructor: Dr. Barış ATA
  - bata@cu.edu.tr
- Office Hours:
  - "Student Hours" or "Ask Me Anything Hours"
  - Tuesdays 10:00-12:00
- Grading: Midterm 40 %, Final exam 60 %

Description

- This course aims to teach students the basics of computer programming using C Programming Language.
- This course focuses on
  - Algorithm design tools: flowcharts, pseudocodes
  - C programming language primitives
  - I/O functions
  - Operations
  - Conditions
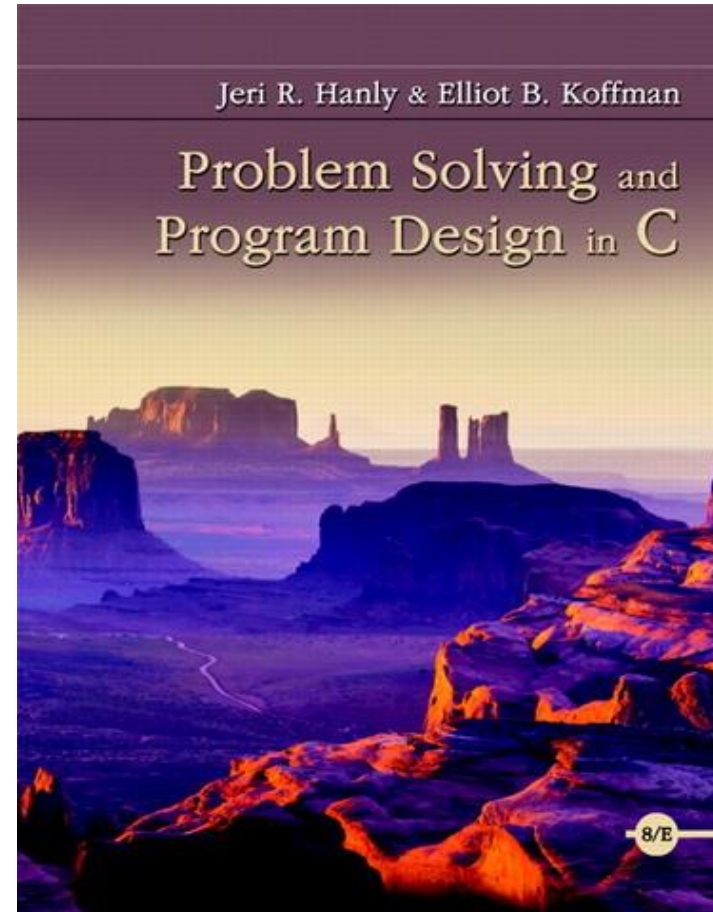 - Loops
  - Functions
  - Arrays

Textbooks

- C How to Program, 9th Edition
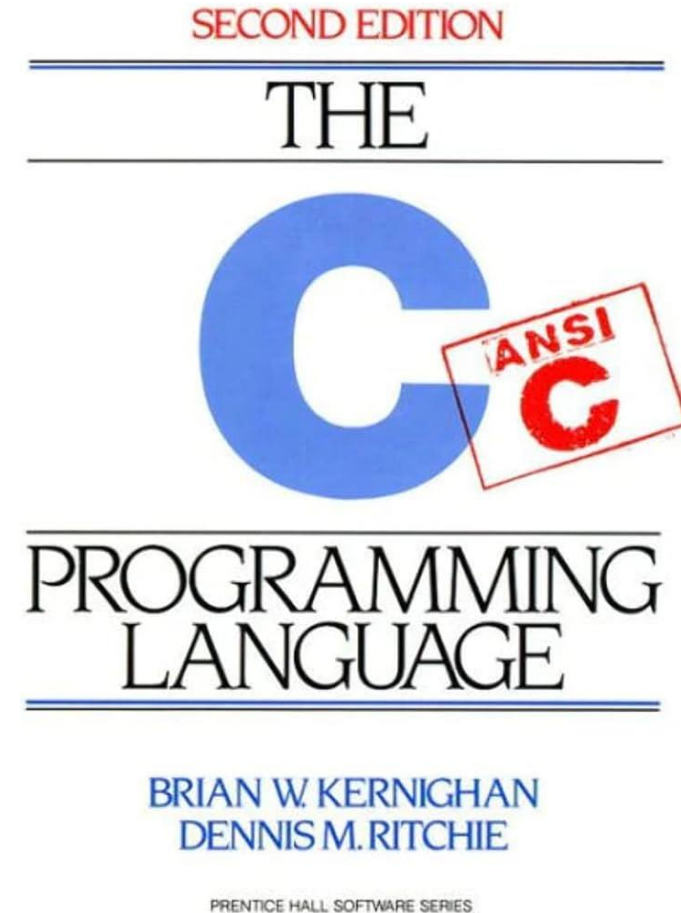 - by Deitel & Deitel, Pearson, 2022.
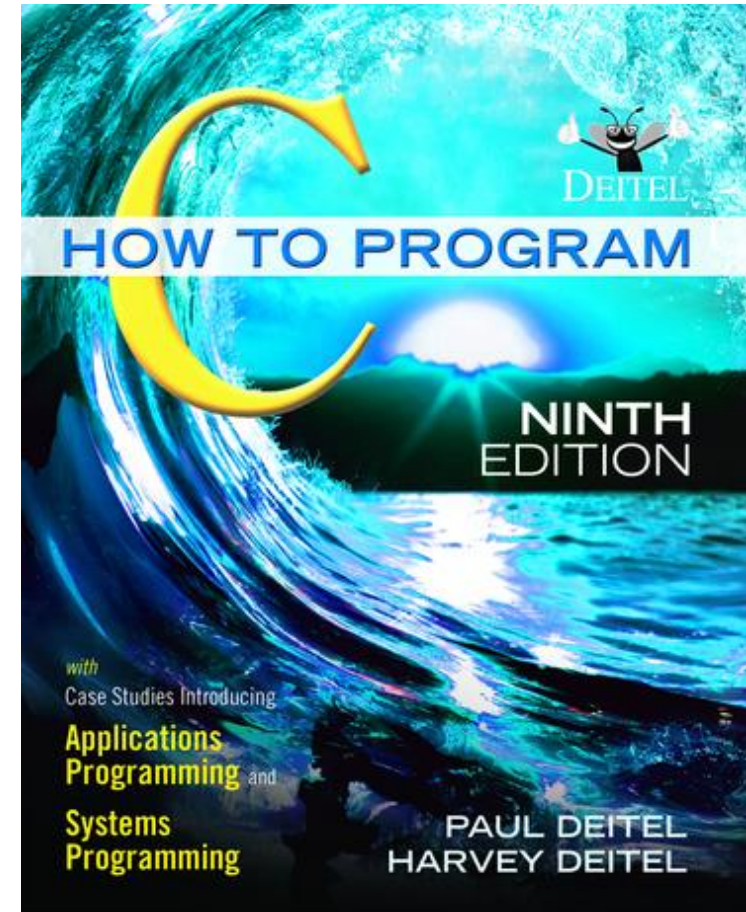
Textbooks

- Problem Solving and Program Design in C, 8th Edition
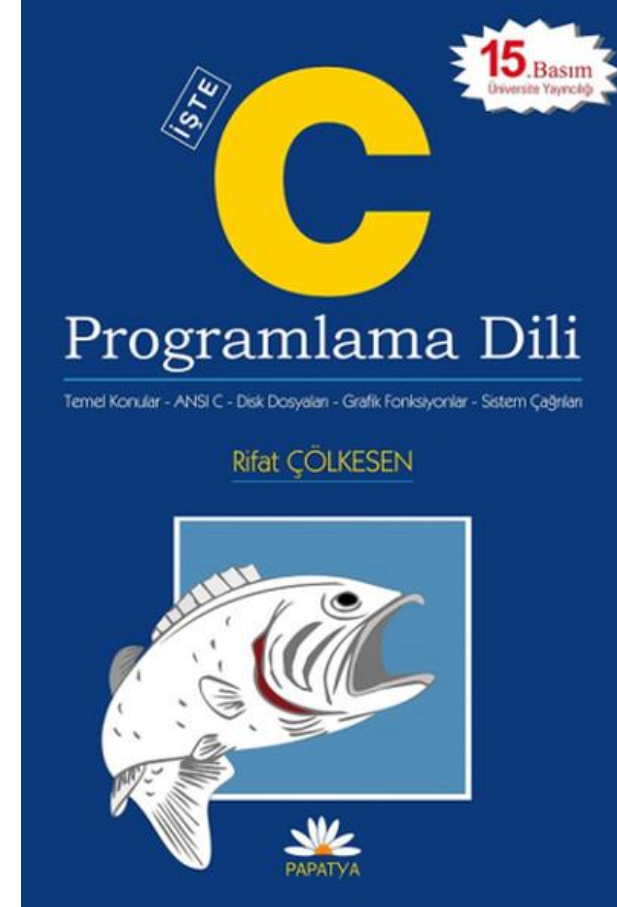 - by Hanly & Koffmann, Pearson, 2015.

References

- C Programming Language
  - Brian W. Kernighan, Dennis M. Ritchie

References

- İşte C Programlama Dili
  - Rifat Çölkesen

References

- C Dersi: Programlamaya Giriş
  - Nergiz Ercil Çağıltay,C. Fügen Elbes, Gül Tokdemir, Çiğdem Turhan

Required Software

- Raptor Flowchart based Programming Environment
    - https://raptor.martincarlisle.com/

- Microsoft Visual Studio Community Edition
    - https://visualstudio.microsoft.com/tr/vs/community/

Course Policies

Use of Mobile Devices:

- To ensure an undisturbed learning environment for all, please adhere to the following mobile device guidelines:
  - **Mobile Device Use:** Please turn off all mobile devices, including laptops, cell phones, and tablets during class.
  - **Note-Taking Exception:** You may use laptops for note-taking, but ensure sound is off to prevent disruptions.
- Thank you for your cooperation in maintaining a focused and respectful classroom atmosphere.

Course Policies

Attendance and Participation:

- While attendance and participation won't be graded, I strongly encourage your active presence in class and engagement with course materials. Your involvement enhances your learning experience and contributes to the overall quality of class discussions. Your commitment to attending regularly and participating actively is appreciated and beneficial for your academic journey.

Course Policies

Academic Integrity and Collaboration:

- Maintaining academic integrity is critical in this course. All assignments, exams, and projects should be your independent work unless otherwise specified. Plagiarism, cheating, or any form of academic dishonesty will not be tolerated and may result in academic penalties.

- However, I encourage collaboration and open discussion in a respectful and ethical manner. You are welcome to engage in group discussions, study sessions, and seek help from peers or me when needed, but ensure that your submitted work represents your own understanding and effort.