



BAKI ALI NEFT MƏKTƏBİ
BAKU HIGHER OIL SCHOOL

Programming and Computer Applications-2

Course Overview

Instructor : PhD, Associate Professor Leyla Muradkhanli

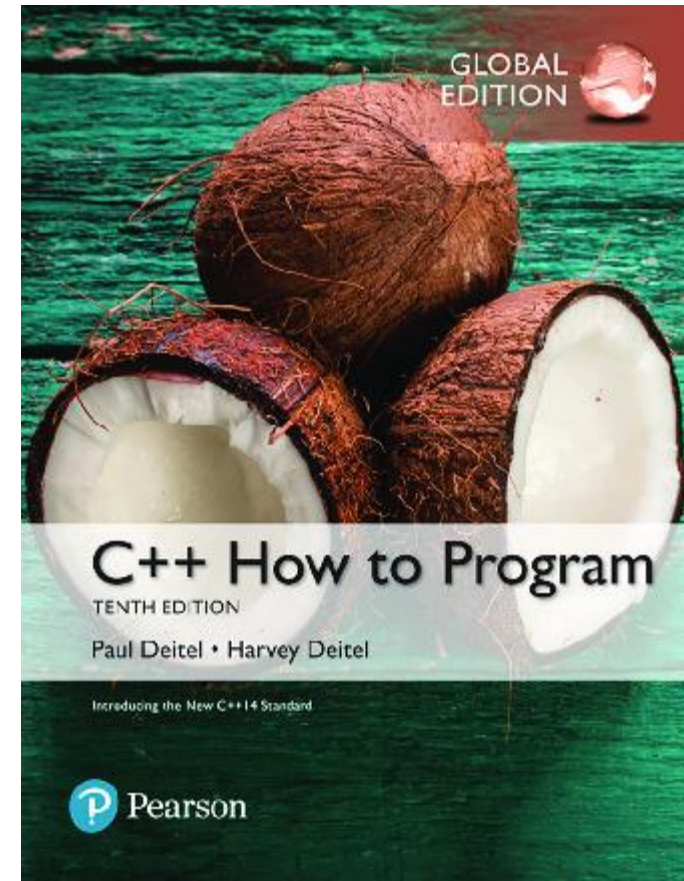
Course objectives

- The main objective of this course is to introduce students C++ programming language and the usage of the object oriented methodology for coding complex C++ programs.
- The practical part of this course is covered in the lab through exercises, practical assignments, and tutorials.

Textbooks

Main Textbook

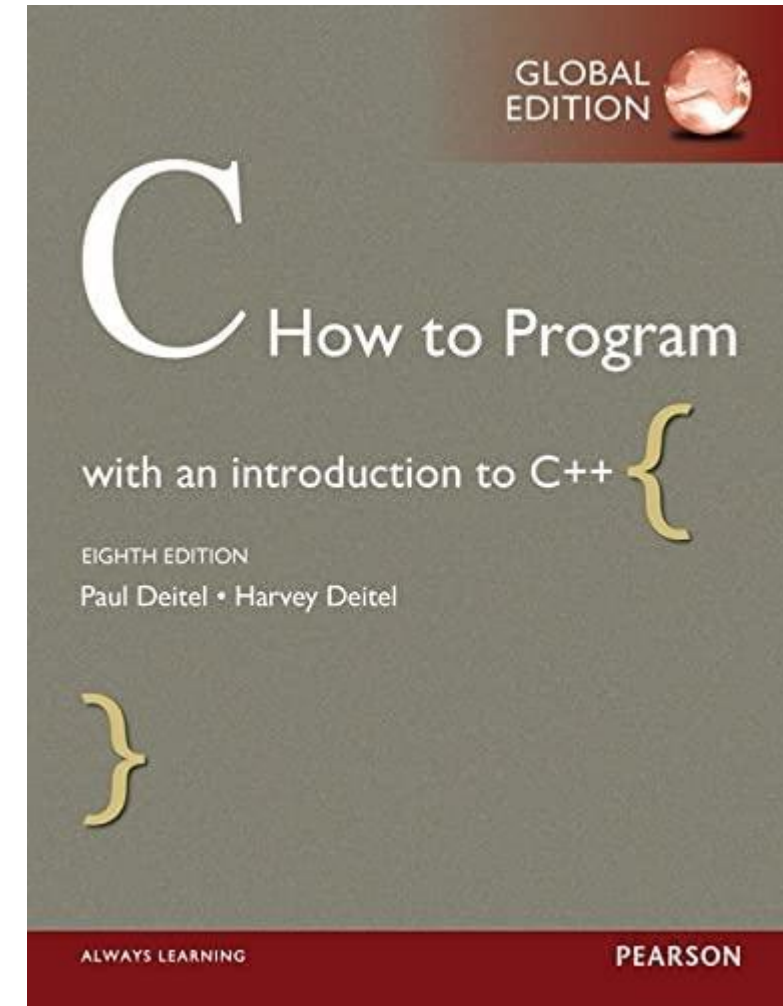
C++ How to Program, 10th edition,
Paul Deitel and Harvey Deitel,
Global edition, Prentice-Hall, 2017.



Textbooks

Main Textbook

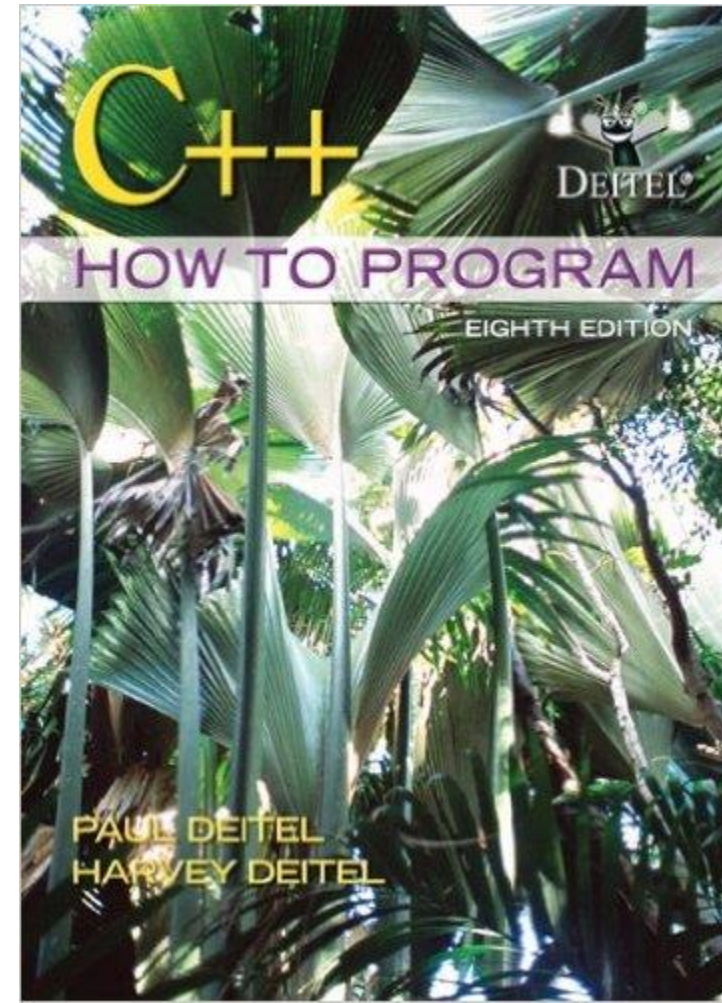
C How to Program with an Introduction C++, 8th edition, Paul Deitel and Harvey Deitel, Global edition, Pearson, 2016.



Textbooks

Main Textbook

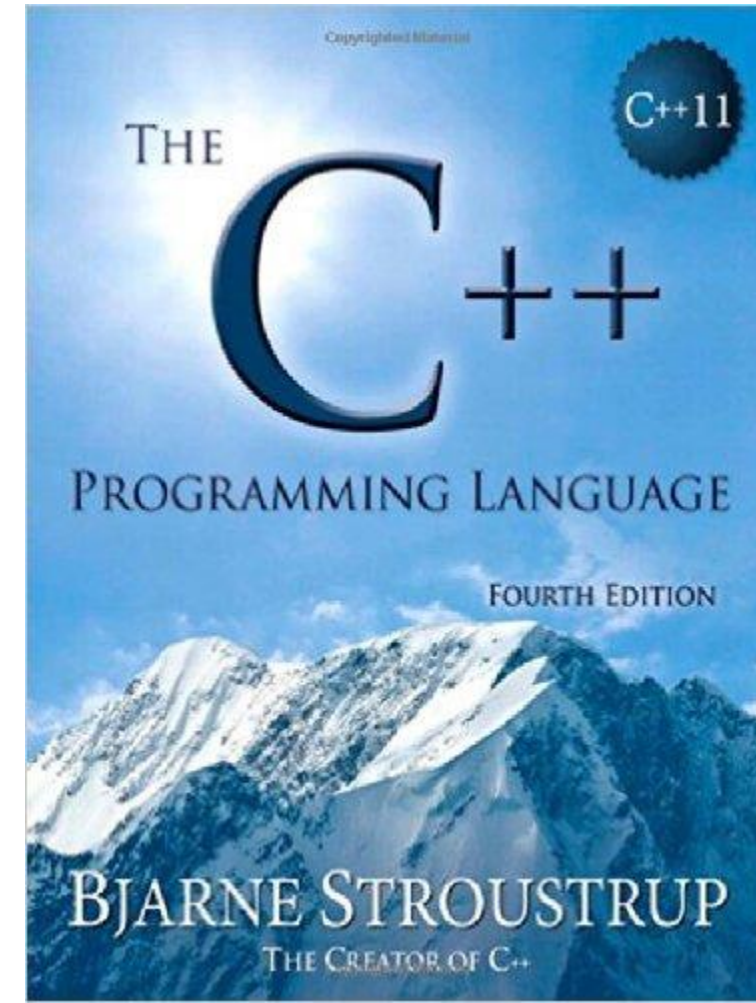
C++ How to Program, 8th edition,
Paul Deitel and Harvey Deitel,
Prentice-Hall, 2012.



Textbooks

Additional Reading

- The C++ Programming Language, Bjarne Stroustrup, 4th edition, Addison-Wesley, 2013.



Textbooks

Additional Reading

- C++ Tutorial, Simply Easy Learning by tutorialspoint.com
<http://www.tutorialspoint.com/cplusplus/>

Grading Criteria

- **Laboratory work/Assignments - 30%**
- **Quizzes– 30%**
- **Final Exam – 40%**

COURSE OUTLINE

Major topic areas:

- **Introduction to C++ Programming**
- **Introduction to Classes and Objects**
- **Classes : A Deeper Look**
- **Operator Overloading; Class string**
- **Object-Oriented Programming : Inheritance**
- **Object-Oriented Programming : Polymorphism**

COURSE OUTLINE

- **Exception Handling**
- **Templates**
- **Linked Lists**
- **Stacks**
- **Queues**