



# Programming 01 Introduction

Văn Chí Nam

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## Course Information

- Time: Monday afternoon (from **13:30** - 17:00)
- Room: **I42**
- Instructor:
  - Mr. Văn Chí Nam (vcnam@fit.hcmus.edu.vn)
- Teaching assistant:
  - Ms. Phan Thị Phương Uyên (ptpuyen@fit.hcmus.edu.vn)
- Lab teachers:
  - Mr. Bùi Huy Thông (bhthong@fit.hcmus.edu.vn)
  - Ms. Trần Thị Thảo Nhi (ttnhi@mso.hcmus.edu.vn)

## Course Website

- Moodle: <https://courses.ctda.hcmus.edu.vn>
  - Mobile app
- This course website is used for:
  - Questions and Answers
  - Announcement
  - Course materials
  - Work submission

## Grading

- Lab (exercises, mid-term, final): **40%**
- Class-work (exercises on theory sessions, quiz, etc): **20%**
- Final test: **40%**
- The lab exams (midterm and final) will be taken on computer (programming tasks).
- **Cheating** (copies during the course): getting **0** for the overall result.

## Participation

- Students are required to attend the class more than **70%** number of sessions ( **$\geq 8$  sessions**).
- If your attendance is less than the requirement, you will FAIL the course.

## Class Requirements | Theory Sessions

- To be on time and actively participate in class activities.
- There are some quizzes during the course.
- Prepare and use your own notebook for the course.
- Only use your laptop/phone for the course-related purposes.
- Keep your phone in silent mode.

## Class Requirements | Lab Sessions

- Follow the guidance of the teachers.
- Not hesitate to ask questions.
- Try your best to get as much experience as you can.

## Other Notes

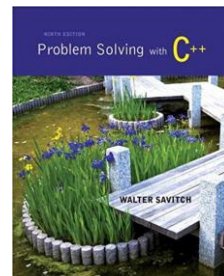
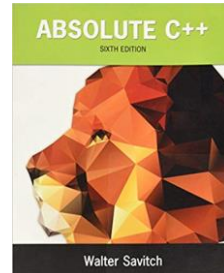
- Use the **official email** always (subject starting with **[23CLC-NMLT]**).
- Read text-books more than the requirements.
- Get the knowledge from the videos suggested by the instructors.

## Course Topics

- Introduction to programming languages
- Flowchart
- C++ Basics: operators, variables, data types, input/output,...
- Branching mechanisms (if, switch)
- Looping (while, do ... while, for)
- Functions (standard, user-defined)
- Array (1D, 2D)
- Structure data types
- Text file Input/Output

## Textbooks

- Walter Savitch, ***Absolute C++ (6th edition)***, Pearson, 2015
- Walter Savitch, ***Problem Solving with C++ (9th edition)***, Pearson, 2015
- Trần Đan Thư, Nguyễn Thanh Phương, Đinh Bá Tiến, Trần Minh Triết, ***Nhập môn lập trình***, Nhà xuất bản Khoa học và Kỹ thuật, 2021



## Question and Answer