

# Programming Fundamentals

## Course Introduction

Le The Anh  
theanhvmu@phystech.edu



# Lecturer's Information

- Name: Le The Anh
- Email: [theanhvmu@phystech.edu](mailto:theanhvmu@phystech.edu)
- Highest achieved education: Ph.D. in Computer Science - Moscow Institute of Physics and Technology
- Research area: Deep Learning, Natural Language Processing
- Hometown: Thai Binh
- Hobbies: Speech Chess, Badminton, Travelling

# Course Introduction

- Course code and name: PRF192 - Programming Fundamentals
- Time allocation
  - Class hours: 30 x 1.5 hour slots (15 lecture slots + 15 tutorial slots)
  - Home study: 60 slots
- Course description:
  - Understand basics of information theory, computer system and methods of software development, focus on function-oriented programming design, coding, testing and discipline in programming
  - Explain basic concepts of programming, function-oriented programming design, modularity, understand and code programs using C
- Student's tasks:
  - Attend more than 80% of contact sessions in order to be accepted to the final examination
  - **!!! Attendance confirmation: within 48 hours**
  - Complete all assigned exercises given by instructor in class or at home and submit on time

# Course Introduction

- Assessment scheme
  - Ongoing assessment (70%)
    - 2 progress tests (10%)
    - 8 workshops (10%)
    - 1 assignment (10%)
    - 1 practical exam (PE) (40%)
  - Final exam (FE) (30%)
  - Final result = Ongoing assessment score + FE
- Completion criteria
  - Every ongoing assessment component  $> 0$
  - FE score  $\geq 4$  & Final result  $\geq 5$
- Check out <https://flm.fpt.edu.vn> for detailed course schedule and assessment structures

# Course Introduction

- Books/resources:
  - Foundations of Programming Using C, Evan Weaver, 2003, printed by FPT University in 2007 (hardcopy)
  - BTP100: <http://cs.senecac.on.ca/~btp100/pages/welco.html> (online course website or in FU intranet): Readings, workshops, assignments, hand-outs, practices
  - FU Presentation Powerpoints (.zip)
  - FU CMS at <http://cms.hn.fpt.edu.vn>
- Tools
  - For Windows: DevC++ 4.9.9.2 (official IDE suggested by FU)
  - For MacOS & Linux: Codeblock, Kite (AI powered code completions), Visual Studio Code, Atom, Sublime Text
  - Online IDE: <https://www.onlinegdb.com>
- Course group on
  - Facebook: TBA
  - Github: <https://github.com/theanhle/c-programming>

**Enjoy the course!**

# DevC++ Installation

- For MacOS, install VirtualBox first
- Download links:
  - <http://www.bloodshed.net>
  - <https://sourceforge.net/projects/dev-cpp/>
- Install DevC++
- Write and run the first program

**Q&A**