



ĐẠI HỌC BÁCH KHOA HÀ NỘI  
VIỆN CÔNG NGHỆ THÔNG TIN VÀ TRUYỀN THÔNG

# INTRODUCTION TO C PROGRAMMING LANGUAGE

SOICT - HUST

# Agenda

- Lecturer information
- Course Objectives
- Evaluations
- Reference books

# Who attend this course?

- ICT and Vietnam-Japanese students

# Course Objectives

- An introductory C Programming language
- The course is independent platform and any system can be used for the practical work.
- Methods to write and execute programs in C programming language.
- Techniques to create simple programs

# Syllabus (1)

- 1st Theme: Programming introduction
  - Keywords: Programming languages, compilers, algorithms
- 2nd Theme: Introduction to C programming language
  - Keywords: program structures, program syntaxes, keywords, compiling and running programs
- 3rd Theme: Variables
  - Keywords: variables, basic data types, constants
- 4th Theme: Input/Output
  - Keywords: scanf, printf
- 5th Theme: Expressions
  - Keywords: mathematic operators, boolean operators

# Syllabus (2)

- 6th Theme: Branches
  - Keywords: if, switch
- 7th Theme: Loops
  - Keywords: for
- 8th Theme: Loops
  - Keywords: while, do
- 9th Theme: Functions
  - Keywords: arguments, return, prototypes
- 10th Theme: Arrays
  - Keywords:

# Syllabus (3)

- 11th Theme: Pointers
  - Keywords: memory addresses, pointer variables, passing pointers to functions
- 12th Theme: Arrays and pointers
  - Keywords: pointer operators, passing arrays to functions
- 13th Theme: Strings
  - Keywords: string functions
- 14th Theme: Structures
  - Keywords: struct, typedef
- 15th Theme: Final Exam

Keywords:

# Course Evaluations

- Out of class assignment : Sometimes
- Attendance: must  $> 70\%$
- Bring Laptop to Class: YES, as much as possible → do exercises (required)
- Middle Exam: 30% (writing)
- Final Exam: 70% (weight: 0.7) (writing)



# Reference Books

1. The C Primer Leslie Hancock, Morris Krieger McGraw-Hill Education 0-201-54848-8
2. The C Programming Language: ANSI C Version Brian W. Kernighan Prentice Hall 0-13-110362-8



25 YEARS ANNIVERSARY  
**SOICT**

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SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY

**Thank you  
for your  
attentions!**



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