Introduction to C Programming Language Course

Department of Information System

SoICT, HUST

Agenda

- Lecturer information
- Course Objectives
- Evaluations
- Reference books

Lecturer

- Dr. Kiem-Hieu Nguyen
- Department of IS, SOICT

hieunk@soict.hust.edu.vn

https://users.soict.hust.edu.vn/hieunk/

Who attend this course?

- ICT and Vietnam-Japanese students

Course Objectives

- An introductive 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)

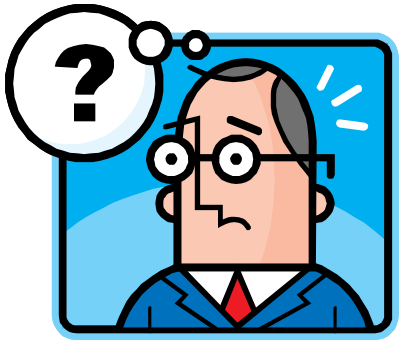
- 11th Theme: Pointers
- Keywords: memory addresses, pointer variables, passing pointers to functions
- 12th Theme: Arrays and pointers
- Keywords: pointer operators, passing arrays to functions
- 13th Theme: Strings
- Keywords: string functions
- 14th Theme: Structures
- Keywords: struct, typedef
-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



QUESTIONS?