



ĐẠI HỌC ĐÀ NẴNG

TRƯỜNG ĐẠI HỌC CÔNG NGHỆ THÔNG TIN VÀ TRUYỀN THÔNG VIỆT - HÀN

Vietnam - Korea University of Information and Communication Technology

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# **Introduction to the course**

## **General Informatics**



# Instructor Information

- Lecture: Đỗ Công Đức
- Email: [dcdudc@vku.udn.vn](mailto:dcdudc@vku.udn.vn)
- Phone: 0905 165 870

# Distribution

- 2 theory credits (30 periods)
  - Lectures
  - Exercises
- 1 lab credits
  - 30 periods



# Objectives

- Providing to students
  - Basic concepts in informatics
  - Algorithms and programming concepts
  - Structural programming principles
  - C++ programming language
    - program structure
    - basic data types and structured data types
    - control structures
    - functions

# Course learning outcome

- Understanding general knowledge of informatics
- Mastering the structural programming principles and the C++ programming language
- Solving problems by using programming language
- Developing problem-solving, thinking, communication and self-study skills
- Developing attitude and responsibility



# What this course is about?

- Introduction to basic concepts in informatics
- Introduction to structural programming principles
- Practicing basic programming principles in C++
- Using basic data types, control structures, functions and arrays in C++

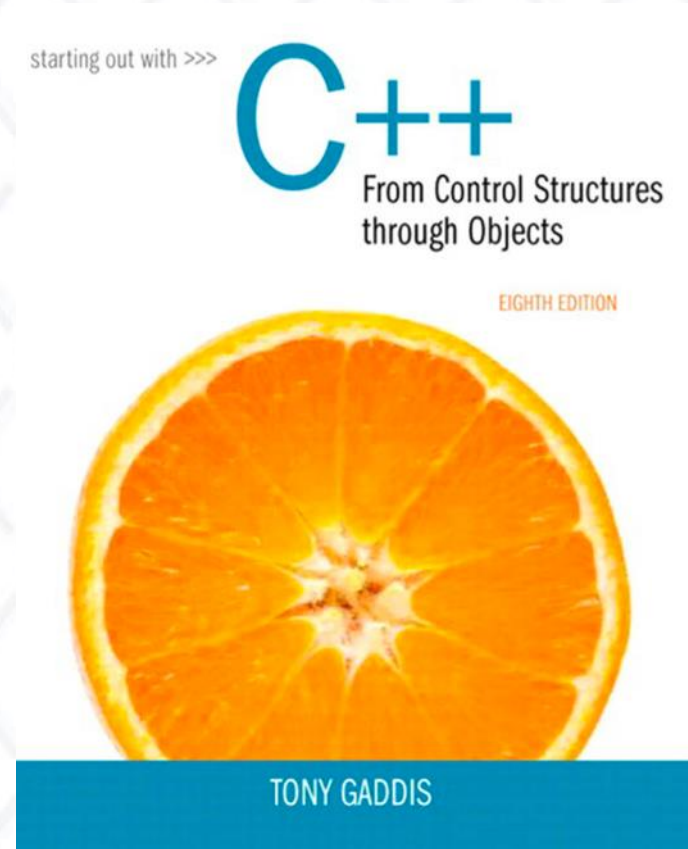
# Course outline

- Computer and programming
- Algorithms
- Basics C++ programming
- Input and output
- Control Structures
- Functions
- Arrays
- Strings
- Files



# Prerequisites & Textbook

- Prerequisites
  - No prior programming experience
- Textbook
  - Tony Gaddis, Starting Out with C++: From Control Structures through Objects, 8<sup>th</sup> Edition, Pearson





# Assessment

- Attendance: 10%
- Exercises and labs: 20%
  - Submitting on elearning system (<http://elearning.vku.udn.vn>)
- Mid-term exam: 20%
  - Practicing on computer at lab room
- Final exam: 50%
  - Practicing on computer at lab room

# Tools

- IDE:
  - Dev C++
  - Visual studio code
  - [https://www.onlinegdb.com/online\\_c++\\_compiler](https://www.onlinegdb.com/online_c++_compiler)
  - <https://www.w3schools.com/cpp/default.asp>

# Tools

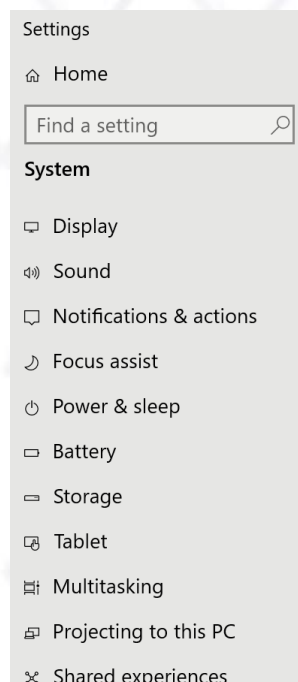
- Dev C++
  - Download:  
<https://sourceforge.net/projects/dev-cpp/>
  - Setup:  
<https://www.thegioididong.com/game-app/cach-tai-va-cai-dat-ide-dev-c-moi-nhat-compiler-c-1318620>

# Tools

- Visual studio code
  - Download mingw-w64

<https://taimienphi.vn/download-mingw-36535/taive>

- Setup mingw-w64
- Set path



## About

Your PC is protected.

[See details in Windows Security](#)

## Device specifications

Device name

Processor

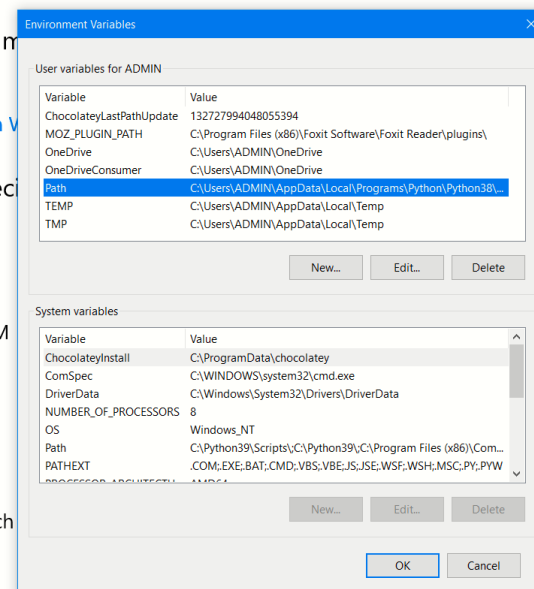
Installed RAM

Device ID

Product ID

System type

Pen and touch



# Tools

- Visual studio code
  - Download:  
<https://code.visualstudio.com/>
  - Setup
  - Extension for C++

