



ICT 5 Web Programming
Chapter 0. Introduction to course

PhD Trinh Tuan Dat
dattt@soict.hust.edu.vn

Contact

- ◆ Trinh Tuan Dat
- ◆ Email: dattt@soict.hust.edu.vn
- ◆ Mobile: 016 9299 0092

2

Course Info

- ◆ Resources and Materials
 - <https://goo.gl/o1WQ1C>
- ◆ Student List
 - <https://goo.gl/P2MCPU>
- ◆ Facebook Group
 - 20181 HEDSPI A 103781

3

Chapter 0: Introduction to Course

1. Course objectives
2. Assessment
3. Materials
4. Schedule

4

Chapter 0: Introduction to Course

⇒ 1. Course objectives

- 2. Assessment
- 3. Materials
- 4. Schedule

5

1. Course objectives

- ◆ After completing this course, student will be able to:
 - Explain web techniques including HTML, CSS, XML, JavaScript and PHP.
 - Develop both client-side scripts and server-side scripts
 - Improve group working skill, presentation skill

6

Chapter 0: Introduction to Course

1. Course objectives

⇒ 2. Assessment

- 3. Materials
- 4. Schedule

7

2. Assessment

- ◆ Training System
 - Number of credits: 4
 - Studying at class and in group (4 teaching hours at class + 3 teaching hours).
 - Do and present the project in groups
- ◆ Training Regulations: Comply with regulations of:
 - Ministry of Education and Training
 - Hanoi University of Technology

8

2. Assessment (2)

- ◆ Final Grade
 - Attendance: 10%
 - Exercise: 20%
 - Project: 70%
 - ◆ Students work in group
 - ◆ Monitors of each class divide 4 to 5 students into groups (specifying the group leader)
 - ◆ Monitors hand in lists of group on the 2nd Week.

9

Project – work in group

- ◆ Topic of your Project
 - Decided by yourself
 - Each group member needs to independently implement management functions (create, delete, update, display data from **at least two tables**)
- ◆ Present the project result from Week 14 to Week 15
 - Hand in the project report before presentation via email to the lecturer
 - Project report must include table of content, member responsibility assignment and detail of the project.

10

Chapter 0: Introduction to Course

1. Course objectives
2. Assessment
- ⇒ 3. Materials
4. Schedule

12

3. Materials

- ◆ Textbooks
 - Elisabeth Robson, Eric Freeman; **Head First HTML with CSS & XHTML**; O'Reilly Media, Inc.
 - Kevin Tatroe, Rasmus Lerdorf, Peter MacIntyre; **Programming PHP, 2nd Edition**; O'Reilly Media, Inc.
 - Lash, **The Web Wizard's Guide to PHP**, Prentice Hall
- ◆ Reference books
 - David Flanagan; **JavaScript: The Definitive Guide, 5th Edition**; O'Reilly Media, Inc.
 - Molly E. Holzschlag, **Spring Into HTML and CSS**, Addison-Wesley Professional
 - Adam Trachtenberg; **Upgrading to PHP 5**; O'Reilly Media, Inc.

13

3. Materials (2)

◆ Websites

- <http://www.w3schools.com>
- <http://www.w3.org>
- PHP Manual:
<http://us2.php.net/manual/en/index.php>
- <http://webwizard.aw.com/>

14

Chapter 0: Introduction to Course

1. Course objectives

2. Assessment

3. Materials

⇒ 4. Schedule

15

4. Schedule

◆ Week 1:

- Introduction to course
- Introduction to Web Programming
- Introduction to HTML & PHP

◆ Week 2:

- PHP Variables and HTML Input Form

◆ Week 3

- PHP Conditional Statements. PHP Functions

◆ Week 4

- Working with Arrays in PHP

16

4. Schedule (2)

◆ Week 5:

- Using MySQL with PHP
- Advanced MySQL & PHP

◆ Week 6:

- Regular expressions in PHP

◆ Week 7: CSS

◆ Week 8:

- OOP in PHP

◆ Week 9:

- Javascript

17

4. Schedule (3)

- ◆ Week 10:
 - Advanced JavaScript and PHP frameworks
- ◆ Week 11:
 - Managing Multiple-Form Applications
- ◆ Week 12:
 - ◆ Web Techniques and Security in PHP
- ◆ Week 13:
 - XML & XHTML
- ◆ Week 14-15:
 - Present and hand in the project result

18

Introduce yourselves

- ◆ Full name
- ◆ Knowledge of Web Programming
 - HTML
 - XML
 - CSS
 - PHP
 - JSP & Servlet
 - ASP/ASP.NET
- ◆ Desire to study in this course

19

Docker and Docker-Compose

- ◆ Tutorials
 - <https://viblo.asia/p/docker-vs-docker-compose-RnB5pXGd5PG>
 - <https://viblo.asia/p/docker-chua-biet-gi-den-biet-dung-phan-1-lich-su-ByEZkWrEZQ0>
 - <https://dev.zavrel.net/docker-and-docker-compose-for-php-development-with-github-and-digital-ocean-deployment-98df55002f3c>
- ◆ <https://docs.docker.com/>

20

Question?



21