

Vietnam and Japan Joint ICT HRD Program

ICT 5 Web Programming Chapter 0. Introduction to course

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General info

- ◆ Registration:

shorturl.at/ELN23

- ◆ Google Drive

shorturl.at/afGNU

Chapter 0: Introduction to Course

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

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1. Course objectives

- ◆ After completing this course, student will be able to:
 - Explain web techniques including HTML, CSS, XML, JavaScript and PHP.
 - ◆ Design and programming: Both client-side script (JavaScript) and server-side script (PHP)
 - ◆ State maintenance (session)
 - ◆ Data manipulation, Web security
 - Develop both client-side scripts and server-side scripts
 - Improve group working skill, presentation skill

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2. Assessment

- ◆ Training System
 - Studying at class and in group
 - Do and present the project in groups
- ◆ Training Regulations: Comply with regulations of:
 - Ministry of Education and Training
 - Hanoi University of Technology
 - Vietnam and Japan Joint ICT HRD Program

2. Assessment (2)

- ◆ Final Grade
- ◆ Quá trình: 50%???
 - Lab + Homework: 40%
 - Project: 60%
- ◆ Examination: 50%???
 - ◆ Students work in group
 - ◆ Monitors of each class divide 3 to 4 students into groups (specifying the group leader)
 - ◆ Monitors hand in lists of group on the 2nd Week.

Exercise + Homework

- ◆ Do individually
- ◆ Exercise: Do at class
 - In the practice time, after the lecture
- ◆ Homework: Do at home
 - 6 home works for 15 weeks
 - Upload to Google Drive
 - Follow teacher's guideline

Project – work in group

- ◆ Do the project in group
 - Specify clearly responsibilities and jobs of all members
- ◆ Present the project result from Week 13 to Week 14
 - Hand in the project report before presentation via email to the lecturer
 - Project report must include table of content, responsibility assignment of each member and detail of the project.

Project Evaluation

- ◆ Report: 25%
- ◆ Demo + Business Logic: 50%
- ◆ Presentation: 25%

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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.

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/>

◆ Course materials

- Google drive

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4. Schedule

◆ Week 1

- Introduction to course
- Introduction to Web Programming
- Introduction to HTML & PHP
- Lab 01
- **Homework 1 (Hand in)**

◆ Week 2

- PHP Variables and HTML Input Form
- Lab 02
- Start to do the Homework 2

4. Schedule

◆ Week 3

- PHP Conditional Statements
- PHP Functions
- Lab 03-1 + Lab 03-2
- **Homework 2 (Hand in)**

◆ Week 4

- Working with Arrays in PHP
- Lab 04
- Start to do the Homework 3

4. Schedule (2)

- ◆ Week 5
 - OOP in PHP
 - Using MySQL with PHP
 - Lap 05 + Lab 06-1
 - **Homework 3 (Hand in)**
- ◆ Week 6
 - Using MySQL with PHP (cont.)
 - Advanced MySQL & PHP
 - Lab 06-1 (cont.) + Lab06-2
 - **Homework 4 (Hand in)**

4. Schedule (2)

◆ Week 7

- Managing Multiple-Form Applications
- Lab 7
- **Homework 5 (Hand in)**

◆ Week 8

- MVC & PHP Frameworks
- Lab 8
- Start to do Homework 6

4. Schedule (2)

- ◆ Week 9
 - Cascading Style Sheets (CSS)
 - JavaScript basic
 - Lab 9
 - Start to do Homework 6
- ◆ Week 10
 - ◆ Web Techniques and Security in PHP
 - ◆ Lab 10
 - ◆ **Homework 6 (Hand in)**
- ◆ Week 11
 - XML & XHTML
 - Lab 11

4. Schedule (3)

◆ Week 12

- Regular expressions in PHP
- Lab 12

◆ Week 13

- Advanced JavaScript
- AJAX
- Lab 13

◆ Week 14-15

- Present and hand in the project result

Introduce yourselves

- ◆ Full name
- ◆ Knowledge of Web Programming
 - HTML
 - XML
 - CSS
 - Server-side script: PHP, JSP & Servlet, ASP, ASP.NET
 - Client-side script: JavaScript
- ◆ Desire to study in this course

Question?

