



## Chapter 0. Introduction to course

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## Contact

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## Course Info

- ◆ Resources and Materials
  - <https://bit.ly/2mdbzc1>
- ◆ Student List
- ◆ Facebook Group

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## 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.
  - Develop both client-side scripts and server-side scripts
  - Improve group working skill, presentation skill

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## 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

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## 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.

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## Project Evaluation

- ◆ Framework/Model, coding styles: 30%
- ◆ Business Logic: 40%
- ◆ Report: 10%
- ◆ Presentation: 10%
- ◆ Innovation/Creative: 10%

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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, 5<sup>th</sup> 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.

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### 3. Materials (2)

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

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- ⇒ 4. Schedule

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### 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

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### 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

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## 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

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## Introduce yourselves

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

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## Docker and Docker-Compose

- ◆ Short:
  - <https://www.youtube.com/watch?v=YFI2mCHdv24>
  - <https://www.youtube.com/watch?v=Qw9zIE3t8Ko>
- ◆ Long:
  - <https://www.youtube.com/watch?v=zJ6WbK9zFpI>
  - [https://www.youtube.com/watch?v=HUpIoF\\_conA](https://www.youtube.com/watch?v=HUpIoF_conA)

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## Docker and Docker-Compose

- ◆ Tutorials
  - <https://viblo.asia/p/docker-chua-biet-gi-den-biet-dung-phan-1-lich-su-Bv7ZkWRfZ0Q>
  - <https://viblo.asia/p/docker-vs-docker-compose-RnB5pXGd5PG>
  - <https://dev.zavrel.net/docker-and-docker-compose-for-php-development-with-github-and-digital-ocean-deployment-98d65500213c>
  - <https://docker-ghichep.readthedocs.io/en/latest/docker-compose/>
  - <https://www.digitalocean.com/community/tutorials/how-to-set-up-laravel-nginx-and-mysql-with-docker-compose>
  - <https://www.youtube.com/watch?v=ThonciYovniM>
- ◆ <https://docs.docker.com/>

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