

IT4552 – Web programming

Chapter 0. Introduction to course

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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

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2. Assessment (2)

- ❖ Topic of your Project
 - Topic list from lecturer
 - Each group member needs to independently implement functions of project
- ❖ Present the project result as final exam
 - 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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2. Assessment (3)

- ❖ 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, 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.



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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/>



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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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Question?



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