

Chapter 0. Introduction to course

Contact

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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:
 - Understand web techniques including HTML, CSS, XML, JavaScript and PHP.
 - Develop both client-side scripts and server-side scripts
 - Improve group working skill and presentation skill

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2. Assessment

- Mid-term: 30%
 - Attendance
 - Exercise
- Final term: 70%
 - Students work in groups
 - Each group contains 3 students and is classified by the instructor

Project – work in group

- Topic of your Project
 - Decided by yourself
 - Each member needs to have independent contribution to the project
- Present the project result from Week 14 to Week 16
 - Upload the project report before presentation on Teams
 - Project report must include table of content, member responsibility assignment and detail of the project.

Project Evaluation

- Product: business logic, interfaces, evaluation: 50%
- Team work: progress, equal workload: 20%
- Report: 10%
- Presentation, Q&A: 10%
- Innovation: 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
 - Michael Mendez, **The Missing Link: An Introduction to Web Development and Programming**, Open SUNY Textbooks
 - Robert Schifreen, **The Web Book**, Small Print

3. Materials (2)

- Websites
 - <http://www.w3schools.com>
 - <https://www.freecodecamp.org/>

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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

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: Mid-term progress report
- Week 10: Javascript

4. Schedule (3)

- Week 11: Advanced JavaScript and PHP frameworks
- Week 12: Managing Multiple-Form Applications
- Week 13: Web Techniques and Security in PHP
- Week 14: XML & XHTML
- Week 15-16: Present and hand in the project result
- Week 17: Review

Introduce yourselves

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

Question?

