华中师范大学伍伦贡联合研究院
Central China Normal University Wollongong Joint Institute

UNIVERSITY
OF WOLLONGONG
AUSTRALIA

CSIT884
Web Development

Lecture 00 – Course Overview

Lecturer

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Acknowledgment

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Learning Objectives

1. Create web pages using a combination of HTML and JavaScript.
2. Use CSS to style a web page.
3. Understand and work with structured data formats JSON and XML.
4. Use XSLT to transform XML documents into other HTML format.
5. Design and create interactive web applications with AJAX.

Topics to be covered

- HTML
- CSS
- JavaScript
- XML and DTD
- XSD
- XSLT
- JSON
- DOM
- AJAX
- Canvas
- Form Validation
- Local Storage
- ...

Recommended Readings

1. Robert W. Sebesta, Programming the World Wide Web, 8th edition, Pearson, 2015.
2. Jennifer Niederst Robbins, Learning Web Design: A Beginner's guide to HTML, CSS, JavaScript and Web Graphics, 5th edition, O’ Reilly Media, 2018.
3. David Flanagan, JavaScript: The Definitive Guide, Seventh Edition, O’ Reilly Media, Inc., 2020.
4. Jon Duckett, JavaScript & jQuery: Interactive Front-End Web Development, John Wiley & Sons, Inc., 2014.
5. White Belt Mastery, Web Development for beginners, Amazon Digital Services LLC, 2020.

Assessments

	Weight	Due Date	Submission
Assignments	40%	4 Programming Assignments	Via Moodle
Final Exam	60%	Exam Week	TBA

- All assessment items are expected to be completed **independently** by an individual. Plagiarism will result in **0** mark and a **Fail** grade for that assessment item.
- A penalty of **25% of the total marks** of the assessment item will be enforced to late submissions for **each day** that the item is late.
- A mark of less than **40%** in Final Exam will result in a grade of **Technical Fail** for this subject.

Assessments

- Programming Assignments
  - 4 Programming assignments with due date at 7:00 pm on Sunday of Week 3, Week 6, Week 9 and Week 11, respectively
  - 24 Sep 2023 (Week 3)
  - 22 Oct 2023 (Week 6)
  - 12 Nov 2023 (Week 9)
  - 26 Nov 2023 (Week 11)

Lab Exercises

- Should be submitted to the corresponding section on Moodle
- By the end of the week of the lab session
- Minimum attendance (80%) are required for tutorials and lab exercises

Reminder

- Please go through the **Subject Outline** carefully, and keep track of important dates mentioned therein
- Please check the **Moodle** site of this subject regularly for potential announcements and updates
- You need to attend at least **80%** of the lectures and tutorials in order to pass the assessment. You need to submit at least **80%** of lab exercises to be considered satisfactory attendance
- Failure to meet the minimum attendance requirements may result in a grade of TF

Reminder

- Tutorial starts from Week 2
- The due of first assignment is 7pm of Sunday, Week 3 (Beijing time)
- Stay up-to-date with University news for general teaching schedule adjustments