

# INFS 7009 WEB TECHNOLOGIES

Credit Points 10

Legacy Code 300693

Coordinator Kieran Luken (<https://directory.westernsydney.edu.au/search/name/Kieran Luken/>)

**Description** This subject covers the technologies required for the construction and maintenance of web pages and web sites. It focuses on the web page and site design, markup languages, client-side technologies such as Cascading Style Sheets and Javascript, as well as server-side technologies such as web servers, database connectivity, and server side scripting. It also includes the use of multi-media, security, access rights, and the exploration of some of the latest technological wonders populated on the Internet. This subject is heavily orientated towards practical experience based on amplifying the theoretical concepts.

**School** Computer, Data & Math Sciences

**Discipline** Information Systems, Not Elsewhere Classified.

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Postgraduate Coursework Level 7 subject

- Web site organisation, web logging, site statistics, site administration, and content management systems.
- Web servers, and the use of web development libraries or tools.
- Latest trend and features of web technologies.

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/Group Task
Quiz	50 minutes	20	N	Individual
Quiz	90 minutes	20	Y	Individual
Practical	8 hours (5-8 linked webpages, depending on the student's own design)	20	N	Individual
Applied Project	15 hours (10-15 linked webpages, depending on the student's own site design)	40	N	Group

## Prescribed Texts

- No specific textbook is prescribed because of the diversity in Web technologies. Also, a tremendous amount of material is available on the Web itself.

## Teaching Periods

### Autumn (2024)

#### Parramatta - Victoria Rd

##### On-site

**Subject Contact** Zuhuan Jiang (<https://directory.westernsydney.edu.au/search/name/Zuhuan Jiang/>)

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=INFS7009\\_24-AUT\\_PS\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=INFS7009_24-AUT_PS_1#subjects))

### Sydney City Campus - Term 2 (2024)

#### Sydney City

##### On-site

**Subject Contact** Mahsa Razavi (<https://directory.westernsydney.edu.au/search/name/Mahsa Razavi/>)

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=INFS7009\\_24-SC2\\_SC\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=INFS7009_24-SC2_SC_1#subjects))

### Sydney City Campus - Term 3 (2024)

#### Sydney City

##### On-site

**Subject Contact** Antoinette Cevenini (<https://directory.westernsydney.edu.au/search/name/Antoinette Cevenini/>)

## Subject Content

- Internet and the markup languages: HTML, XHTML, XML and others; HTTP protocol and the client-server model of the web; page and site creation.
- Methods of client interfacing to the web, web page design, current multimedia principles of web page layout and the human interface; Cascading Style Sheets.
- Client-side scripting with JavaScript, making use of client-side scripts, including AJAX or DOM, to enable better user experience and interactivity.
- Common web site security and access control, SSL, encryption, digital certificates, and basic copyright issues.

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=INFS7009\\_24-SC3\\_SC\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=INFS7009_24-SC3_SC_1#subjects))