

**COMP 3820SEF Web Application Development (3 cru)**  
**COMP 3800SEF Web Applications: Design and Development (3 cru)**  
**COMP S380F / S380W Web Applications: Design and Development (5 credits)**  
**Course Guide**

**Instructor:** ZHANG Jingyu, Flora ([fzhang@hkmu.edu.hk](mailto:fzhang@hkmu.edu.hk), 2768 6887 (office))

**Tutors:** GUO Weiqing, Winnie ([wguo@hkmu.edu.hk](mailto:wguo@hkmu.edu.hk))

FENG Jiahui (Jiahui) ([s1365639@live.hkmu.edu.hk](mailto:s1365639@live.hkmu.edu.hk))

ZHAO Yihan (Yihan)

**Lecture:** Tuesday 16:00 – 17:50, IOH / F0201

**Lab Session:** Thur 12:00 – 12:50, MUPC / C0411 (COMP 3820SEF P01, FENG Jiahui)

Thur 11:00 – 11:50, MUPC / C0411 (COMP 3820SEF P02, FENG Jiahui)

Mon 17:00 – 17:50, MUPC / C0411 (COMP S380F P21, ZHAO Yihan)

Mon 12:00 – 12:50, MUPC / C0411 (COMP S380F P22, ZHAO Yihan)

Thur 17:00 - 17:50, MUPC / C0411 (COMP S380F P23, GUO Winnie)

Fri 10:00 – 10:50, MUPC / C0412 (COMP 3800SEF P01, FENG Jiahui)

Fri 9:00 – 9:50, MUPC / C0412 (COMP 3800SEF P02, ZHAO Yihan)

Wed 12:00 – 12:50, MUPC / C0411 (COMP 3800SEF P03, GUO Winnie)

\* You are expected to attend **all** lectures and lab sessions.

**Assessment Scheme**

	COMP 3820SEF	COMP 3800SEF	COMP S380F	COMP S380W
<b>1. Continuous Assessment</b>	<b>50%</b>	<b>50%</b>	<b>50%</b>	<b>30%</b>
• <b>Group Project:</b> 1. Each group has at most 4 students (in the same course). 2. All groups work on the same application; details to be announced. 3. Submission deadline: April 13, 2026 (Week 14) (tentative)	<b>25%</b>	<b>25%</b>	<b>25% (with extra project requirements)</b>	<b>15%</b>
• <b>Lab Sessions:</b> 1. The lab exercises are related to the practical skills for completing the group project, so attending the lab sessions and completing the take-home exercises will greatly ease your project work.	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
• <b>Mid-term Test:</b> 1. March 10, 2026 (Tues) 16:15 – 17:30 (Week 9) (tentative)	<b>25%</b>	<b>25%</b>	<b>25%</b>	<b>15%</b>
<b>2. Exam</b>	<b>50%</b>	<b>50%</b>	<b>50%</b>	<b>70%</b>

**Note:** To pass the course, you must get at least 40 marks for both the continuous assessment and exam.

Course Content (\* subject to change)

Topics	
1	Overview of Web Applications, Java/Jakarta EE Server, Web Container
2	Servlet
3	JSP, JavaBean
4	Session
5	EL, JSTL
6	MVC Model 1 & Model 2
7	Spring MVC, Spring Boot
8	Data Access Object (DAO), Hibernate, Spring Data JPA
9	Filters, Spring Security
10	Dependency Injection (DI), Aspect-Oriented Programming (AOP)