

advanced.

The student is prepared to further their study of design patterns in software design, human computer interaction, database, etc.

Evaluation Criteria

Assignments (20 %)

4 assignments.

Late assignments are accepted with a penalty of 25% per day late (up to 2 days late).

Assignments are equally weighted.

Some assignments require UML and/or extending existing Java code.

All questions must be answered using an appropriate software tool.

Tests (1st test 10%, 2nd test 20 %)

Unless a medical certificate is provided, no accommodation is made for missed tests or assignments.

Final Exam (50 %)

Final Letter Grade Assignment

Historically, numerical percentages have been converted to letter grades using the following scale. However, instructors can deviate from these values based on pedagogical nuances of a particular class, and final grades are subject to approval by the Department Review Committee.

A+	90+ - 100%	B	70 - 74%	F	below 50%
A	85 - 90%	C+	65 - 69%		
A-	80 - 84%	C	60 - 64%		
B+	75 - 79%	D	50 - 59%		

Test/Exam Requirements

Photo ID is not required

No computer, calculator or any other electronic device (e.g. cell phone) is permitted.

Accessibility Services

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., note-takers) are encouraged to contact Accessibility Services (AS) at 786-9771 or accessibilityservices@uwinnipeg.ca to discuss appropriate options. All information about a student's disability or medical condition remains confidential

<http://www.uwinnipeg.ca/accessibility>

Respectful Working and Learning Environment

All students, faculty and staff have the right to participate, learn, and work in an environment that is free of harassment and discrimination. The UW Respectful Working and Learning Environment Policy may be found online at www.uwinnipeg.ca/respect

We ask that you please be respectful of the needs of classmates and instructors/professors by avoiding the use of unnecessary scented products while attending lectures. Exposure to

scented products can trigger serious health reactions in persons with asthma, allergies, migraines or chemical sensitivities. Please consider using unscented necessary products and avoiding unnecessary products that are scented (e.g. perfume).

Required Text Book(s)/Reading List

Head First Design Patterns; Freeman, Robson, Bates, Sierra; O'Reilly; 0-596-00712-4

Prerequisite Information (This information can be found in the UW General calendar)

A grade of at least C in ACS-2913/3 (or the previous ACS-2911/3 and ACS-2912/3) and ACS-2947/3.

Misuse of Computer Facilities, Plagiarism, and Cheating

Academic dishonesty is a very serious offense and will be dealt in accordance with the University's policies. Be sure that you have read and understood Regulations & Policies #8, starting on page 27, in the 2016-2017 UW Course Calendar or

<http://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf>

Students facing a charge of academic or non-academic misconduct may choose to contact the University of Winnipeg Students' Association (UWSA) where a student advocate will be available to answer any questions about the process, help with building a case, and ensuring students have access to support. For more information or to schedule an appointment, visit our website at www.theuwsa.ca/academic-advocacy or call 204-786-9780.

Topics to be covered (tentative)

We will cover design patterns as time permits. In conjunction with these patterns, we cover aspects of Java and UML that are pertinent. For code from Head First Design Patterns, see

<http://www.headfirstlabs.com/books/hfdp/>

Patterns (order may vary):

Strategy	Singleton
Observer	Iterator
Decorator	State
Facade	Composite
Adapter	Template
Command	Compound patterns
Factory	Others as time permits