

**Introduction**

(Tue Sep 08, 2015 10:10 AM)

Read Head First ch. 1

 [Lady Java music video](#)

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

 <http://www.joelonsoftware.com/>

 [lecturenotes.08Sep15.pdf](#)

**Requirements**

(Thu Sep 10, 2015 10:10 AM)

Read Head First ch. 2.

 [lecturenotes.10Sep15.pdf](#)

**Planning**

(Tue Sep 15, 2015 10:10 AM)

Read Head First ch. 3.

 [Game of Codes video](#)

 [lecturenotes.15Sep15.pdf](#)

**Pair Programming**

(Thu Sep 17, 2015 10:10 AM)

Read *All I really need to know about pair programming I learned in kindergarten* (attached).

See sample proposals in "files & resources".

 [Pair Programming Slides](#)

 [lecturenotes.17Sep15.pdf](#)

 [All I really need to know about pair programming I learned in kindergarten](#)

**User Stories**

(Tue Sep 22, 2015 10:10 AM)

Read Head First ch. 4.

DEMOS of some of the technology you'll need to use for your projects (Jira and Play).

 [lecturenotes.22Sep15a.pdf](#)

**Use Cases**

(Thu Sep 24, 2015 10:10 AM)

Read Head First appendix i.3.

Read *Use Cases* (attached).

 [Use Cases](#) [lecturenotes.24Sep15.pdf](#)

## UML

(Tue Sep 29, 2015 10:10 AM)

Read Head First appendix i.1-i.2.

Read *Use Case Examples -- Effective Samples and Tips* (attached).

Read the two "UML basics" sections (attached).

 [Use Case Examples -- Effective Samples and Tips](#) [Violet UML Editor](#) [Argo UML Editor](#) [Class Diagrams images](#) [UML basics: The class diagram](#) [Sequence Diagrams images](#) [UML basics: The sequence diagram](#) [lecturenotes.29Sep15.pdf](#)

## Issue Tracking

(Thu Oct 01, 2015 10:10 AM)

Watch JIRA overview video (attached).

The exam will **not** cover JIRA or issue tracking.

 [JIRA Overview Video](#) [Javapocalypse video](#) [lecturenotes.01Oct15.pdf](#)

## Design

(Tue Oct 06, 2015 10:10 AM)

Read Head First ch. 5.

Watch the "Object Oriented Design" series of videos (link attached). There's a lot of them but most of them are very short.

 [Object Oriented Design by Iraqi Archive](#) [CRC Card images](#) [lecturenotes.06Oct15.pdf](#)








## MVC

(Thu Oct 08, 2015 10:10 AM)

Read "The Model-View-Controller Pattern" (attached).

Read "Refactoring Model-View-Controller" (attached).

MVC will **not** be covered on the exam.

-  [MVC Song music video](#)
-  [MVC images](#)
-  [Refactoring Model-View-Controller](#)
-  [The Model-View-Controller Pattern](#)
-  [lecturenotes.08Oct15.pdf](#)
-  [google images showing MVC in a class diagram](#)
-  [google images showing MVC in a sequence diagram](#)





### Design Review

(Tue Oct 13, 2015 10:10 AM)

Read Patton ch. 4 (attached).

Read "Code Smells" (attached). Many code smells are likely to already be evident in the design before the code is written.

All material covered through today, via readings and assignments, will be subject to the first examination. All material introduced after today will be subject to the second examination.

-  [Ron Patton, Software Testing \(2nd ed\), chapter 4](#)
-  [MVC song lyrics with comments from Ralph Johnson \(GoF\)](#)
-  [Code Smells](#)
-  [lecturenotes.13Oct15.pdf](#)






### Coding Practices, Version Control, Software Build

(Thu Oct 15, 2015 10:10 AM)

Read "Code Smells" (attached) again, this time from the viewpoint of the code rather than the design.

Read Head First ch. 6 and ch. 6 1/2.

All material covered before today, via readings and assignments, will be subject to the first examination. All material introduced today or later will be subject to the second examination.

-  [Checkstyle tool](#)
-  [Google Java Style Guide](#)
-  [Code Smells](#)
-  [Play Framework Documentation](#)
-  [lecturenotes.15Oct15.pdf](#)

### Software Process Revisited

(Tue Oct 20, 2015 10:10 AM)

Read "Managing the Development of Large Software Systems" (attached).

-  [Managing the Development of Large Software Systems](#)
-  [lecturenotes.20Oct15.pdf](#)


### Review for First Exam

(Thu Oct 22, 2015 10:10 AM)

All material through "Design Review" is subject to the first exam. All material starting with "Coding Practices and APIs" is subject to the second exam.


MVC will not be covered by the exam.

NO lecture notes to scan, entirely ad lib.

 [First Exam from 2012](#) [Grading Handout for First Exam from 2012](#)**Continue Review for First Exam**


(Tue Oct 27, 2015 10:10 AM)

NO lecture notes to scan, entirely ad lib.

 [First Exam from 2012](#) [Grading Handout for First Exam from 2012](#)**First Exam**

(Thu Oct 29, 2015 10:10 AM)

All material through "Design Review" is subject to the first exam. All material starting with "Coding Practices and APIs" is subject to the second exam.

 [First Exam from 2012](#) [Grading Handout for First Exam from 2012](#)**ACADEMIC HOLIDAY**


(Mon Nov 02, 2015 12:00 AM - Tue Nov 03, 2015 11:59 PM)

No class.

**Testing Overview**

(Thu Nov 05, 2015 10:10 AM)

Read Head First ch. 7, ch. 8 and appendix i.4.

 [FindBugs™ - Find Bugs in Java Programs](#) [JUnit is a simple framework to write repeatable tests. It is an instance of the xUnit architecture for unit testing frameworks.](#) [lecturenotes.05Nov15.pdf](#)**Blackbox Testing**

(Tue Nov 10, 2015 10:10 AM)

Read Patton ch. 5 (attached).

 [Ron Patton, Software Testing \(2nd ed\), chapter 5](#) [lecturenotes.10Nov15.pdf](#)**More Blackbox Testing**

(Thu Nov 12, 2015 10:10 AM)

Read Patton ch. 6 (attached).

Read "Seven Deadly Sins of Software Reviews" (attached).

 [Ron Patton, Software Testing \(2nd ed\), chapter 6](#) [Seven Deadly Sins of Software Reviews](#) [lecturenotes.12Nov15.pdf](#)**Static and Dynamic Whitebox Testing**

(Tue Nov 17, 2015 10:10 AM)

Read Patton ch. 6-7 (attached).




-  [Ron Patton, Software Testing \(2nd ed\), chapter 7](#)
-  [Seven Deadly Sins of Software Reviews](#)
-  [Ron Patton, Software Testing \(2nd ed\), chapter 6](#)
-  [Java Life Video](#)
-  [FindBugs™ - Find Bugs in Java Programs](#)
-  [checkstyle](#)
-  [lecturenotes.17Nov15.pdf](#)

**Debugging and Coverage**

(Thu Nov 19, 2015 10:10 AM)

We will return the first exam in class and discuss the grading.

Read Patton ch. 7 (attached).

-  [First Exam Grading Rubric](#)
-  [Ron Patton, Software Testing \(2nd ed\), chapter 7](#)
-  [lecturenotes.19Nov15.pdf](#)

**Ending an Iteration and Beginning the Next Iteration**

(Tue Nov 24, 2015 10:10 AM)

Read Head First ch 9-12.

-  [lecturenotes.24Nov15.pdf](#)

**ACADEMIC HOLIDAY**





(Thu Nov 26, 2015 12:00 AM)

No class.

**Leftovers**

(Tue Dec 01, 2015 10:10 AM)

Read Head First appendix i.5.

-  [Refactoring](#)
-  [IntelliJ IDEA support for Java refactoring](#)
-  [License to Code video](#)
-  [lecturenotes.01Dec15.pdf](#)

**Review for Second Exam**

(Thu Dec 03, 2015 10:10 AM)

All material through "Design Review" is subject to the first exam. All material starting with "Coding Practices and APIs" is subject to the second exam.

Make sure you have completed all readings assigned October 15th or later, and you should have previously read all the earlier assignments for the first exam.

-  [Second Exam from 2012](#)
-  [Grading Handout for Second Exam from 2012](#)

**Review for Second Exam**

(Tue Dec 08, 2015 10:10 AM)

**Second Exam**

(Thu Dec 10, 2015 10:10 AM)

All material through "Design Review" is subject to the first exam. All material starting with "Coding Practices and APIs" is subject to the second exam.



[Second Exam from 2012](#)



[Grading Handout for Second Exam from 2012](#)

**STUDY DAYS**

(Tue Dec 15, 2015 12:00 AM - Wed Dec 16, 2015 11:59 PM)

**demo day**

(Thu Dec 17, 2015 09:00 AM - 07:00 PM)

There will be a final demo and final report due during finals week.