# Exam Policy:

There is no tolerance policy for exams. **You will be asked to leave the exam room immediately without a warning** once you do the following things which mean you’ll get **NC**.

1. You are caught cheating or trying to cheat such as look around, speak in your own language not English. You have to look straight and focus on your own exam during exam.
2. Answers should be written with a Pen or Pencil, but if you want to use a pencil please bring your own eraser, sharpener and ruler. You’re not allowed to borrow from other students or proctors during exam.
3. All mobile phones should be turned off or put in your bag. All your belongings except stationary must be left in the front of the classroom before the start of the exam.
4. Restroom Policy
   1. Maximum 10 minutes – We’ll go to find you to see if you need any help.
   2. No phone in pockets
   3. **Not allowed once a student submit his/her paper.**
5. You’re not allowed to go out for water.
6. You’re not allowed to ask/get extra papers from other students or proctors. All your notes must be written on the exam paper provided. Use the back side if you need to draft.
7. **Please write down your answer clearly. If I cannot read your answer, you’ll not get credit.**
8. **For any question isn’t clear, you MUST ask the proctors during the exam. If you claim the question isn’t clear when/after we go over the exam solutions, don’t accept any excuse.**

Exam time: April 13th 10:00 am ~12:30pm. **Arrive at least 5 minutes, so we can start on time.**

Location: Drier 12 & 3

Questions in the exam – Total: 50 points

1. Multiple Choices Questions – 10 questions – 10 points
2. True/False – 10 questions – 10 points
3. Short Answer Questions – 5 questions – 10 points
4. Programming Questions – 2 questions – 20 points
   1. Servlets/JSP/JSTL/PRG – 1 question – 8 points
   2. Servlets/JSP/jQuery/AJAX – 1 question – 12 points
5. Bonus question – hasn’t created – 5 points – will announce later
   1. You need to submit final exam paper before doing bonus question

Review:

Everything except Lesson 13 Custom Tags from page 15 to 23.

Lesson 10 – intro to servlet

HTTP protocol – stateless

GET & POST

Status code: 200, 404, 500, 301~303 (redirect)

Web server vs web container

Web.xml – not being tested

@WebServlet() – you must add by yourself – no @InitParam - @WebServlet(“/welcome”) – add annotation by yourself in the exam

Web server with Servlet container

Servlet life cycle

Lesson 11 – State management

Servlet life cycle

ServletConfig vs ServletContext

Post versus Get messages

Redirecting and forwarding requests

How to get parameter:

String input = request.getParameter("userName");

String[] inputColors = request.getParameterValues(" colors ");

Managing state information: request, session, application

Attribute vs parameter

Cookies

Not in the exam: 5. Hidden fields on a form 6. URL Rewriting

Lesson 13 – JSPs

JSP elements: directive, etc…

Not in exam: <jsp:setProperty…> built-in jsp action

Implicit Objects: request, response, session, application, out, pageContext

JSP LifeCycle – translation, compilation -> similar servlet

${}

Only model 2

Lesson 14 – custom tags

JSTL core: forEach(items, var), if, set, out

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

Lesson 15 – Ajax

Asynchronous vs Synchronous

XMLHttpRequest – an object

$.ajax(), $.get(), $.post()

AJAX user feedback – not in the exam

XMLHttpRequest security restrictions: same origin policy

JSON

JSON.parse() vs JSON.stringify()

response.setContentType(“application/json”);

GSON gson = new GSON();

String str = gson.toJSON(javaobject);

jQuery:

1. Window.onload - $()
2. How to select an element on the page – any way you like
3. val(), val(“abc”)
4. text(), html(), append, preappend methods
5. attach event – only click
6. $.each
7. event.preventDefault(), return;