# MIS3501 - Exam 1 - Study Guide

## The format of the exam

The exam will be a hands-on programming challenge broken down into steps. You will have the entire class in which to complete the exam. The exam is open book, open notes. There are also online resources you may use. Here they are:

• http://www.w3schools.com

• http://php.net

• http://developer.mozilla.org

• http://community.mis.temple.edu

There are approximately 6 steps total the student is expected to complete. Most of these steps are broken down into smaller sub-steps with varying point value. There is a total of 160 points on the exam.

Most of the steps require you to apply some aspect of HTML, CSS or PHP previously encountered in class.

You may also be expected to go look up some new aspect of either HTML, CSS, or PHP on php.net or another online resource.

Each step is meant to assess your comprehension of topics we have learned up to this point in time. Here’s a list of topics we have covered so far:

1. HTML and CSS
2. HTML forms and how they can interact with PHP code (using filter\_input primarily, but also $\_POST, $\_GET)
3. PHP Variables and Operators
4. PHP If statements (and related functions: isset, empty, is\_numeric)
5. PHP Loops

You should complete your work on one of the desktops provided in the classroom and then upload it to the class server. You must do this before the end of class.

Be sure to put your work into your wwwroot folder, and also make sure that you can access your work by calling it up in a browser.

Only your work uploaded to the class server will count towards your exam grade. Students will not receive credit for missing / misplaced / misnamed work.

## Grading

Here are some things your instructor looks for when evaluating code.

1. Does the code run without error or warning?
2. Does the code work in the fashion described by the problem?
3. Is the HTML generated by you and your code valid?

## Study tips

If you haven’t been following along with the class, it is difficult to “catch up” and compensate for that lack of practice. Below is a list of just some of the skills and concepts that the exercises and challenges were developing.

1. Set up a project in NetBeans
2. Upload work to the class server
3. Demonstrate proficiency with HTML
4. Understand the role of a CSS style sheet.
5. Understand the difference between the id attribute and the name attribute of an INPUT tag in an HTML form.
6. Understand basic PHP syntax (PHP delimiters, use of semicolon to terminate each statement, use of comments, and bracketing { } )
7. Name and create PHP variables.
8. Understand the purpose of the following PHP functions: filter\_input, isset, empty.
9. Understand the purpose of include and exit.
10. Perform mathematic operations on PHP variables
11. Compare PHP variables using comparison operators
12. Write conditional statements using “if” and “if else”
13. Nest conditional statements within each other.
14. Write loops (“for” loops and/or “while” loops)
15. Find information you don’t know online.

## Advisories

1. Transferring your exam work to another student, either deliberately or through negligence, will be considered cheating and result in a zero for the exam. Incidents of academic dishonesty will be escalated to the University Disciplinary Committee.
2. Be advised that classroom and server activity during the exam is monitored.
3. Only one screen per student will be permitted. Students using more than one electronic device will be asked to leave the room, and will earn a grade of zero on the exam.
4. Under no circumstances is the printed exam to leave the classroom. Students who do so will receive a grade of zero on the exam.
5. You have the whole class period in which to complete the exam. If you do not upload your solution before the end of class, you will receive a zero on the exam.