MIT 503 - The Fundamentals of Computer Programming
Fall 2015
3 Credits
Watson School of Education
University of North Carolina Wilmington

Professor: Dr. Ray Pastore
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Phone: 22912
Office: 339
Office Hours: TBA

Class Time: Monday 4:00-6:15pm
Classroom: EB 368

Course Website
http://learn.uncw.edu

Course Description

Study of computer programming and problem-solving as applied to real world educational problems with solutions designed and implemented in various programming and scripting languages. Topics include data types, logic, flowcharting, sequence, selection, repetition, functions, arrays, file i/o, design, testing, and debugging. Prior programming experience is neither assumed nor required.

Course Objectives

To understand how to utilize HTML and CSS to create a webpage
To be able to publish a webpage
To understand basic programming language terminology
To understand basic programming logic
To be able to understand database design and how it interacts with the web

Instructional Method

This course will employ a hybrid delivery method including both face-to-face and online components. Face-to-face instruction includes lectures to cover the topics and techniques of project management, software demonstrations, discussions, and hands-on class activities.
Required Textbook

No required books but I am recommending a few:

1. The web design pocket guide boxed set
2. PHP for the web – visual quickstart guide

Required Supplies

Storage – Online cloud, uncw, or thumb drive. I would save everything 2x.

Other:

You are going to be required to purchase a website. This will be discussed in the first class. The website will cost $38 (I think).

Class Format

This is a hybrid course, meaning that some students will be physically in the classroom and others will be attending via Wimba/webex/movi (depends on what is available to us). They way you attend is your choice. Please note in the schedule that some courses will be fully online.

Class Procedures

Class sessions typically involve discussions related to readings, demonstrations of examples, and hands-on practice of technology skills. Where new technical skills are being taught, assignments or 'individual skills' demonstrating competence in a skill will typically be required. At times, these work samples are assigned and evaluated during the same class session. Otherwise, work sample assignments are collected during the following class session.

Class lectures and workshops will be delivered only once. If you are absent during a class session and miss an in-class activity, attendance points cannot be earned (see grading policies). If you miss a class session. It is your responsibility to obtain the notes/information from other students in the class. Check the course web site for assignments that have been missed.

This class is taught in the lab. When we are working on exercises or the instructor is presenting material, you are expected to follow along and pay attention. You are NOT to be reading email, surfing the web, working on assignments for this or other classes. Additionally, you are not to be using your cell phone for phone calls, text messaging or other activities. Cell phones are to be silenced or deactivated during class sessions.
Class Assignments and the Class Schedule:

Information about class assignments and the class schedule is updated weekly as the course progresses and is NOT included in this syllabus. YOU ARE RESPONSIBLE for checking the class web page on a weekly basis to learn about future assignments and the class schedule.

Assignments

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Points</th>
<th>Due Date (subject to change)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storyboards portfolio</td>
<td>10</td>
<td>See schedule</td>
</tr>
<tr>
<td>Portfolio Draft</td>
<td>10</td>
<td>See schedule</td>
</tr>
<tr>
<td>Final portfolio</td>
<td>15</td>
<td>See schedule</td>
</tr>
<tr>
<td>Storyboards mobile app</td>
<td>10</td>
<td>See schedule</td>
</tr>
<tr>
<td>Mobile App draft</td>
<td>10</td>
<td>See schedule</td>
</tr>
<tr>
<td>Mobile app published</td>
<td>15</td>
<td>See schedule</td>
</tr>
<tr>
<td>Input/output database</td>
<td>10</td>
<td>See schedule</td>
</tr>
<tr>
<td>Reflection</td>
<td>10</td>
<td>See schedule</td>
</tr>
<tr>
<td>Attendance</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Grading Policy

Descriptions of each assignment, as well as evaluation criteria, will be provided throughout the course and are available on the course website. Do not look at assignments on the website until I go over the assignment in class. The dates listed for assignments may change as the semester progresses (don’t worry—you'll be notified of any changes in class and via email!). Nonetheless, I expect assignments to be completed on time. The standard policy regarding late assignments is 10% penalty for late assignments turned in within 1 week of due date and 50% penalty for assignments turned in thereafter until the end of the course (defined as the last regular class session). I use this system even in the event of excusable situations, such as minor sicknesses or other unforeseen conflicts. However, any exceptions to this policy are made at my discretion. If you have conflicts, or something unexpected arises, do no hesitate to contact me, and we’ll arrive at a solution together and develop a contract by email, please save this email for your records. If you do have a situation, you must contact me immediately. If you contact me after the fact, its too late at that point.

Students who miss or fail to complete graded assignments will receive a grade of zero for that assignment. If you are ill or have a serious problem that prevents your attending class on the day of a due assignment, please contact me PRIOR to the class/due date to discuss alternatives. Additionally, students with
incomplete assignments at the end of the course will be given the earned final grade. Incompletes (I’s) will not be given except under extenuating circumstances that are discussed with the instructor prior to assignment of final grades. If these circumstances do arrive, we will draft up a document stating the agreement.

The final grades are assigned as follows:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93.5 - 100</td>
</tr>
<tr>
<td>A -</td>
<td>90.0 - 93.4</td>
</tr>
<tr>
<td>B+</td>
<td>86.5 - 89.9</td>
</tr>
<tr>
<td>B</td>
<td>83.5 - 86.4</td>
</tr>
<tr>
<td>B-</td>
<td>80.0 - 83.4</td>
</tr>
<tr>
<td>C+</td>
<td>76.5 - 79.9</td>
</tr>
<tr>
<td>C</td>
<td>73.5 - 76.4</td>
</tr>
<tr>
<td>C-</td>
<td>70.0 - 73.4</td>
</tr>
</tbody>
</table>

**Examination Policy**

Your final exam will take place during our scheduled time during finals week.

**Participation**

Participation will be assessed through a variety of ongoing course activities. These will include in-class and out-of-class assignments, and class discussions.

**Timeliness of Presentations**

If you are unable to do a presentation because you were having technical problems, you must notify me at least one week in advance so that we could have time to remediate your problems. I cannot excuse you from doing a scheduled presentation because you had technical difficulties.

**Quality of Your Work**

You will be expected to put no less than 100% effort into the work of this course. Consequently, I reserve the right to reject any work including units, web pages, and presentations that signifies minimal effort and does not reflect the high quality expected in our graduates. A part of each assignment will be graded on what I call the ‘Wow Factor’. This part of your grade is based on quality, appearance, and professionalism given in the assignment. If your project looks as if it was thrown together at the last minute even though you met all of the other requirements, you will not receive points for the wow factor. If you have questions on the wow factor for each assignment, please ask me at least one
week before the assignment is due.

**Attendance Policy**

Class participation includes being current in readings, participating in lectures, discussions, class exercises, and lab sessions. Students are expected to attend class and come prepared. Reading assignments should be done prior to class coverage of the material.

Students are expected to attend all classes. If you miss a class session, it is your responsibility to obtain the notes/information from other students in the class. Please try to contact me prior to class if you cannot attend. Check the course web site for assignments that have been missed.

**Attendance will be taken every class.** Everyone will probably have a conflict, illness, or special circumstance that will force him or her to miss class at some point. You are permitted to miss a total of 1 class without penalty (EXCUSED OR UNEXCUSED). On the 2nd absence, you will lose 5 attendance points as listed in the point section of the syllabus. On the 3rd absence, you will lose the remaining 5 points of the 10, dropping you a full letter grade. On the 4th absence and each after your grade will drop a full letter grade. Accruing more than five absences is grounds for failure of the course. Chronic tardiness will also count as an absence at the discretion of the instructor.

If you come to class after roll was taken, it is your responsibility to inform me that you were present. I take roll in the beginning of class so if you are late, please make sure you see me after class to ensure I didn’t mark you absent. If you miss class, it is your responsibility to obtain class notes.

Note: It doesn't matter if your absence is excused or not, the above policy stands regardless.

**Academic Honesty and Integrity**

**From the Faculty Handbook:**

**I. THE UNCW STUDENT ACADEMIC HONOR CODE**

The University of North Carolina Wilmington is a community of high academic standards where academic integrity is valued. UNCW students are committed to honesty and truthfulness in academic inquiry and in the pursuit of knowledge. This commitment begins when new students matriculate at UNCW, continues as they create work of the highest quality while part of the university community, and endures as a core value throughout their lives.

**II. THE UNCW HONOR PLEDGE**
All students enrolled at UNCW are subject to the UNCW Student Academic Honor Code (hereafter referred to as the Honor Code), which is intended to help every member of the UNCW community appreciate the high value placed on academic integrity and the means that will be employed to ensure its preservation. Students are expected to perpetuate a campus culture where each student does his or her own work while relying on appropriate resources for assistance. In such a climate students enjoy a special trust that they are members of a unique community where one’s thoughts and words are attributed correctly and with proper ownership, and where there is little need for systems to sanction those who cheat. As such, all UNCW students shall commit to the principles and spirit of the Honor Code by adhering to the following pledge:

“As a student at The University of North Carolina Wilmington, I am committed to honesty and truthfulness in academic inquiry and in the pursuit of knowledge. I pledge to uphold and promote the UNCW Student Academic Honor Code.”

*Please see Policy 04.100 in the faculty handbook for more information:
http://www.uncw.edu/fac_handbook/responsibilities/teaching/honor%20code.html

*Any form of cheating will be grounds for automatic failure in this course.

Disability Access Statement

Please see Policy 04.190 in the faculty handbook for information on UNCW’s policy.

Class Cancellations by the Instructor

If there is an emergency and I need to cancel class I will send you an email as soon as possible. I will then create an alternative assignment for that week and you will be given directions. Please be sure to check your email before class to ensure that it is not cancelled.

Web Classes

During the course, you may have "web classes." This does not mean that class is cancelled. It means that class activities are posted on the web or that I cannot be in the classroom and everyone will be virtual for the class. You should complete the assignments on the class web page as they are posted. Do not wait until the last minute. Remember that these assignments take the place of class meetings and are given in addition to other course requirements.

Back-up Disks & Saving Files
SAVE OFTEN AND ALWAYS MAKE BACK-UP'S OF YOUR WORK ON A SECOND DISK OR FLASH DRIVE! I cannot accept the excuse that you lost your files. Please make back-ups. Assume that you will lose files, therefore, you must have a back-up.

You are expected to produce a copy of any files that you create in this course if requested! If you cannot produce it, you will not be given credit for your work. You are responsible for all work in this course, therefore, you must always protect your work by saving often and making a second back-up copy.

Contacting me

Contact me at: pastorer@uncw.edu
TITLE/Subject YOUR EMAIL "CLASS: MIT 503". I receive many emails each day and will respond to student emails first, so if you want me to respond asap, please use the requested subject.

I will not respond to email sent to any other address.

If I do not respond to your email within 24 hours, please send another.

Please try my email first. If you do call, please do not rely on voicemail. Either call me back or send me an email.

Office Hours

You are welcome to stop in during office hours, but I have to give first preference to persons who make appointments.

Virtual Office Hours

Please make an appointment to meet with me during virtual office hours. Do not assume I will be on campus during this time. Since the hours are virtual, I may be working off campus.

Feedback on Your Work

I correct most of your work at the midterm and end of the semester because this is when most assignments are due. In some instances, I may correct your work at other times during the semester. I STRONGLY suggest that you get feedback from me BEFORE an assignment is due. If you are wondering about your grade status or an evaluation of a particular assignment, then you should see me to schedule a time to meet.