This is A348/A548 Spring semester of 2010. This is a full semester programming class for non majors.

Typical prereqs. for an A348/A548 student: A201/A597 A202/A598 or two semesters of programming.

Class activities will address in order:

- Unix
- Apache
- HTML
- HTML forms
- Python/CGI
- Keep state? Remembering is hard in a connectionless world.
- HTTP
- Client side state with hidden fields: simple, not secure.
- Template.
- PHP
- PHP sessions (server-side state)
- MySQL
- Midterm Exam: Thu-Fri 03/04-05 last day to drop with automatic W\textsuperscript{1} 03/10
- Server-side state with Python/CGI and MySQL
- Javascript and DHTML
- Java
- Tomcat
- Java servlets, JSP
- JDBC
- Web frameworks: Struts, CakePHP, Django, OpenLaszlo, Hibernate, ASP.NET, Rails
- Final exam: 5-7pm 05/06/10\textsuperscript{2}

There will be

- 7 homework assignments (25%)
- 12 lab assignments (15%)  
- 2 exams (midterm 25%, final 20%)
- 1 semester project (10%)

Attendance (lecture minute papers) will count as 5%. The course grading scale (representing number of points, not percentage of completion) looks like this:

<table>
<thead>
<tr>
<th>Points</th>
<th>F</th>
<th>D</th>
<th>D+</th>
<th>C-</th>
<th>C</th>
<th>C+</th>
<th>B-</th>
<th>B</th>
<th>B+</th>
<th>A-</th>
<th>A</th>
<th>A+</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55-65</td>
<td>F</td>
<td>D</td>
<td>D+</td>
<td>C-</td>
<td>C</td>
<td>C+</td>
<td>B-</td>
<td>B</td>
<td>B+</td>
<td>A-</td>
<td>A</td>
<td>A+</td>
</tr>
<tr>
<td>66-67</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68-69</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70-75</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>76-77</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78-79</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>80-85</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>86-87</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>88-89</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>90-95</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>96-100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\textsuperscript{1} See [http://www.indiana.edu/~registra/time_sensitive/offcalen4102.shtml#gradeW](http://www.indiana.edu/~registra/time_sensitive/offcalen4102.shtml#gradeW)

\textsuperscript{2} See [http://registrar.indiana.edu/time_sensitive/finalexamsche4102.shtml](http://registrar.indiana.edu/time_sensitive/finalexamsche4102.shtml)
You will post assignments on your websites. Midterm exam\(^3\) has two parts: written in class, practical in lab. Final exam is written. Semester projects will be turned in in person via individual appointments during the times alloted for office hours\(^4\).

There will be a website for this class at: [http://www.cs.indiana.edu/classes/a348](http://www.cs.indiana.edu/classes/a348)

Currently it has the materials from last semester. I will update it for this semester later tonight.

Today we will get to know each other and review Python.

We might also demo the installation of Apache.

Adrian German LH201D [dgerman@indiana.edu](mailto:dgerman@indiana.edu)

Office hours will be listed soon in this format: [http://silo.cs.indiana.edu:8346/cgi-bin/fall2009/schedule](http://silo.cs.indiana.edu:8346/cgi-bin/fall2009/schedule)

---

\(^3\) See [http://www.cs.indiana.edu/classes/a348/fall2009/exam.pdf](http://www.cs.indiana.edu/classes/a348/fall2009/exam.pdf) for an example

\(^4\) Office hours schedule will look like this: [http://silo.cs.indiana.edu:8346/cgi-bin/schedule](http://silo.cs.indiana.edu:8346/cgi-bin/schedule)
Please write your name or username here: _____________________________________________

Please answer the following questions briefly:

1. Reasons for taking this class:

2. Is this class required or not (for you)?

3. Major

4. Expectations:

5. Fears, concerns, apprehensions (if any)?

6. What would you want to be able to do at the end of the class to feel accomplished?

7. Questions about anything not mentioned here?

8. Starting here and finishing on the back of this page please give an overview of the programming language you know best. Please write legibly and try to convey the maximum amount of information in the shortest amount of space. If you don't know any programming language please try to describe what programming is. You have about 15 minutes overall for this. Thanks.

Hint: give clear definitions or example for number, literal, operator, operand, expression, value, variable, assignment statement, if statement, loop, function, class, object, character, string, tuple, list, sequence, dictionary, associative array, hash table. Write a program that asks the user for two integer numbers and then prints the larger of the two without using an if statement.