Welcome to CS 368!

Introductions, Overview, Course Mechanics, Resources, etc.
http://pages.cs.wisc.edu/~cs368-1/
Instructors

- Staff from CS’s Condor Project
- Tim Cartwright
- Alan De Smet
- Nick LeRoy
Course Objectives

• Write basic code in Perl

• Learn about scripting languages (Python, Ruby, PHP, JavaScript, ActionScript, ...)

• Solve real-world problems using scripting languages
Why Scripting?

• Fast development
• Easy to understand and change
• Abstracts over low-level details
• Pervasive
• Examples:
  – data munging for science, business, ...
  – glue between other, incompatible apps
  – SpamAssassin
  – Twitter (Ruby on Rails)
Course Philosophy

• Real-world application
• Code a little every day
• Learn to fish
Homework/Grading

• Homework
  – every day (except last), 15 total
  – short coding assignment
  – due by 11:10 a.m. of next class
  – no late assignments accepted at all

• Grading
  – credit/no credit
  – each assignment given 0, 1, or 2 points
  – need 20 points for credit
## Homework Points

<table>
<thead>
<tr>
<th>Pts</th>
<th>Reason</th>
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| 2   | • turned in on time, AND  
    | • code runs, AND  
    | • solution is correct or **nearly so**, AND  
    | • demonstrates real effort |
| 1   | • turned in on time, AND  
    | • partial solution, may not actually run, AND  
    | • demonstrates at least some effort |
| 0   | • not turned in on time, OR  
    | • is plagiarized, OR  
    | • does not demonstrate any real effort |
Office Hours

• Wednesdays, 11 a.m. – 12 p.m.
• CS 4259 (corner conference room)
• except: 29 July in CS 4331

• by appointment
Course Books

• *Learning Perl* (4th Ed.)
• *Programming Perl* (3rd Ed.)

• Available FREE online via MadCat
• Not in the UBS textbook area
• If you buy them, get newest editions
Course Resources

• http://pages.cs.wisc.edu/~cs368-1/
  – syllabus
  – links to homework (added daily)
  – links to lots of programming resources

• Perl resources
  – books
  – www.perl.com (documentation link)
  – perldoc.perl.org
  – man perl, perlsyn, perlfunc, ...
Running Perl

• Unix/Linux
  – perl filename
  – chmod 0755 filename
  ./filename

• Mac OS X
  – use Terminal, same as above

• Windows
  – download ActiveState Perl
  – not officially supported in the course
Perl Scripts

#!/usr/bin/perl

use strict;
use warnings;

# comments!
code starts here
Homework for Day 1

• Go to course website
• Find syllabus
• Find and read homework
• Run the homework script on your own machine and print the output
• Turn in output tomorrow