

Welcome to CS 368!

Introductions, Overview,
Course Mechanics, Resources, etc.

Introductions

Section 1: Introduction to Perl

Tim Cartwright

Section 2: Advanced Python

Nick LeRoy

Section 1: Introduction to Perl

<http://pages.cs.wisc.edu/~cs368-1/>

Section 2: Advanced Python

<http://pages.cs.wisc.edu/~cs368-2/>

Brief Overview

Course Objectives

- Write basic code in Perl
- Solve real-world problems with scripting languages
- Learn *about* scripting languages
(Perl, Python, Ruby, PHP, JavaScript, ActionScript, ...)

Scripting

- Fast development
- Easy to understand and change
- Abstracts over low-level details
- Pervasive
- Examples:
 - quick computation
 - data manipulation
 - glue
 - e.g., SpamAssassin, Twitter (Ruby on Rails)

Perl

- Practical Extraction and Report Language
(*Pathologically Eclectic Rubbish Lister?*)
- Introduced 1987
 - Perl 5.8: 2002–2008 ***version used in class!***
 - ...
 - Perl 5.14: 2011
- Widely available
- Great for processing text
- Huge number of independent libraries (CPAN)

Course Philosophy

Learn *a new skill*

Learn *by doing*

Learn *to fish*

Course Mechanics

Homework and 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

Pts	Reason
2	<ul style="list-style-type: none">• turned in on time, AND• code runs, AND• solution is correct or nearly so, AND• demonstrates real effort
1	<ul style="list-style-type: none">• turned in on time, AND• partial solution, may not actually run, AND• demonstrates at least some effort
0	<ul style="list-style-type: none">• late, OR• is plagiarized, OR• does not demonstrate any real effort

Mailing List

`compsci368-1-su11-hdd@lists.wisc.edu`

- Goes to @wisc.edu account
- Check spam filters

Office Hours

Computer Sciences 4265 (Tim's office)

Days and times: Doodle poll today!

Other times available by appointment (email)

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, consider newest editions

How to Run Perl

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

Homework for Day 1

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

<http://pages.cs.wisc.edu/~cs368-1/>