CSE 30332 Programming Paradigms

Spring 2016

Instructors	Collin McMillan (sec. 1)	Patrick Flynn (sec. 2)
Contact	`cmc@nd.edu`	`flynn@nd.edu`
Office	351 Fitzpatrick	321 Stinson-Remick
Office Hours	MWF 8:30-10:20a, Tu 2:30-4:30p	MWF 9:30-10:20am, M 4-5pm, W 5-6pm
TAs	Nate Kremer-Herman (`nkremerh@nd.edu`) and Tim Shaffer (`tshaffe1@nd.edu`)	
TA Office Hours	Nate: 3-5pm RF; Tim: 5-7 Tu and 3-5 W; all in 3rd floor Fitz fishbowl.	
Class Location	DeBartolo 126	DeBartolo 125
Time	MWF 10:30 – 11:20a	MWF 11:30a-12:20p

Description

Interpreted and compiled. Imperative and functional. Scripting, libraries, frameworks, platforms, services, APIs, mashups, and multi-language interfacing! Learn to solve problems in multiple domains. Apply theoretical programming concepts to real-world problems.

Grading / Assignments

Your course grade will be computed from grades on the following homework assignments. In-class exercises may also be administered to gauge learning progress (see below). All assignments are due at the start of class.

#	Description	Out	Due	Points	Percent
1	Regular Expressions	1/15	1/20	10	2%
2-8	Scheme Dailies (7)	1/20-2/3	1/22-2/7	70	14%
9	Scheme TicTacToe	2/3	2/10	20	4%
10-13	Python Dailies (4)	2/10-2/17	2/12-2/19	40	8%
14	Python Primer	2/17	2/24	20	4%
15	Web Service Primer	2/19	2/26	20	4%
16	PyQt Interface	2/24	3/2	20	4%
17	CherryPy Primer	2/26	3/4	20	4%
18	CherryPy Web Service	3/4	3/18	60	12%
19-22	Javascript Dailies (4)	3/18-3/30	3/21-4/1	40	8%
23	Javascript Milestone	4/1	4/8	30	6%
24	PyGame Primer	4/8	4/15	30	6%
25-27	Twisted Dailies (3)	4/15-4/20	4/18-4/22	30	6%
26	Twisted Primer	4/18	4/25	20	4%
27	PyGame + Twisted Milestone	4/25	5/4	70	14%
Total				500	100%

Letter Assignments

100% ≥ *grade* ≥ 95%	A		79.5% > *grade* ≥ 77%	C+
95% > *grade* ≥ 90%	A-		77% > *grade* ≥ 73%	C
90% > *grade* ≥ 87%	B+		73% > *grade* ≥ 69.5%	C-
87% > *grade* ≥ 83%	B		69.5% > *grade* ≥ 60%	D
83% > *grade* ≥ 79.5%	B-		60% > *grade*	F

In-class Exercises

About once per week, we will ask you to practice a problem in class. These exercises will take five to ten minutes. There are four grade possibilities:

 a) +2 points extra credit for exemplary work (given very rarely)
 b) +1 point extra credit for a good faith effort even if it is not 100% correct.
 c) 0 for just writing your name or if you are out on an excused absence.
 d) -2 points if you do not turn in anything e.g. unexcused absence.

Late Policy

Late assignments will not be accepted unless: 1) you make prior arrangements with the instructor of your section, or 2) you have a University-approved reason.

Honor Code

As a Notre Dame student, you are required to abide by Academic Code of Honor Pledge: *As a member of the Notre Dame community, I will not participate in or tolerate academic dishonesty.*

In this class, we operate by the *"Pencils Down Rule"*: You may communicate about homework with your classmates at a high-level, give general advice, and chat about common problems. You may **not** communicate specific knowledge **such as source code** or planning documents. A good rule of thumb is *if you would need to write it down to communicate or remember something, it is off limits.* Seek homework help from the Professor or the TAs instead. We would love to help!

Homework Help

We are available during several sessions of office hours for in-person help, and anytime via Piazza! Please see our Piazza page for class communication: `https://piazza.com/nd/spring2016/cse30332`

Homework Turn-in

Unless otherwise noted, all homework should be turned in via email to (note your section):

 Section 1 (McMillan): `prog.paradigms.sec1.sp16@gmail.com`
 Section 2 (Flynn): `prog.paradigms.sec2.sp16@gmail.com`

As a courtesy to us, if you use a compressed archive, please use only .tar.gz, .tar.bz2, or .zip formats.

Homework Data

We provide hints (and even unit tests!) for your homeworks via a public AFS folder:

 `/afs/nd.edu/user37/cmc/Public/cse332_sp16/`

Classroom Recording/Active Learning Platform Notification

Notre Dame has implemented an Echo360 classroom recording system. This system allows us to record and distribute lectures to you in a secure environment. You can watch these recordings on your computer, tablet, or smartphone. The recordings can be accessed within Sakai. Look for the tool labeled "Echo360 ALP" on the left hand side of the course. Because we will be recording in the classroom and/or using an active learning environment, your questions and comments may be recorded. (Video recordings typically only capture the front of the classroom.) If you have any concerns about your voice or image being recorded, please speak to us to determine an alternative means of participating. No content will be shared with individuals outside of your course without your permission except for faculty and staff that need access for support or specific academic purposes. These recordings are jointly copyrighted by the University of Notre Dame and your instructor. Posting them to other websites, including YouTube, Facebook, Vimeo, or elsewhere without express, written permission may result in disciplinary action and possible civil prosecution.