Department of Computer Science
College of Engineering
University of the Philippines
Diliman, Quezon City

COURSE NO.	:	CS 220
COURSE TITLE	:	Survey of Programming Languages
COURSE CREDIT	:	3 units
SEMESTER	:	Second Semester, AY 2018-2019
INSTRUCTOR	:	Jan Michael C. Yap
EMAIL ADDRESS	:	jcyap@dcs.upd.edu.ph

COURSE DESCRIPTION

Comparative study of different types of modern programming languages; imperative, functional, logic-based and object-oriented. Syntax, semantics and implementation of programming languages.

CLASS SCHEDULE
Wednesdays, 6:00 - 9:00 PM

COURSE OUTLINE

1. Introduction

2. Review of Programming Language Concepts

3. Some Properties of Programming Languages

4. Types of Programming Languages

   (a) Imperative

   (b) Object-Oriented

   (c) Functional

   (d) Dataflow

   (e) Concurrent

   (f) Declarative

   (g) Aggregate *(Student Reports)*

GRADING SYSTEM

Requirements:
    Problem Sets   50%
    Oral Report   25%
    Written Report   25%

$92 \leq \text{FG} \leq 100$	1.00
$88 \leq \text{FG} < 92$	1.25
$84 \leq \text{FG} < 88$	1.50
$80 \leq \text{FG} < 84$	1.75
$76 \leq \text{FG} < 80$	2.00
$72 \leq \text{FG} < 76$	2.25
$68 \leq \text{FG} < 72$	2.50
$64 \leq \text{FG} < 68$	2.75
$59 < \text{FG} < 64$	3.00
$\text{FG} \leq 59$	5.00

CLASS POLICIES

CONSULTATIONS. Schedule of the instructor's free times for the semester would be **Tuesdays, Thursdays, and Fridays, 8:00am-10:00am, 3:00-5:00pm**. Due to other commitments apart from teaching and to ensure proper queueing of multiple requests for consultations, students who wish to schedule a consultation must first send an e-mail to the e-mail address mentioned in the first part of the syllabus setting an appointment **at least 24 hours before** the requested date and time of consultation. Note however that a rescheduling of the consultation may be done subject to the availability of instructor.

WEBSITE. Materials pertinent to our course can be downloaded here: http://bit.ly/CS220NiJan. Announcements will also be posted there. Pertinent announcements will be posted **Wednesday, 1:30pm at latest**. If there are no announcements posted by that time, then classes proceed as normal. In certain cases, announcement via e-mail (using the indicated e-mail address above).

PROBLEM SETS AND WRITTEN REPORT. Submission of problem sets and written report should be done on or before the designated deadlines (to be announced in future sessions). Late submissions would incur a 10% deduction per day late, and can incur a maximum of 50% deduction. Note that the problem sets and written report are considered requirements, and non-submission of one or more of such on or before the deadline of submission of grades would mean a grade of INC assuming FG is passing.

ORAL REPORT. Oral reports are to be done during class hours some time during the latter part of the course, exact dates of which will be determined later. Order of presentations will be determined on a later date. Should a student be unavailable on his/her designated schedule of presentation, s/he must inform the instructor to have the report rescheduled.

INTELLECTUAL DISHONESTY. Intellectual dishonesty of any form will be subjected to proper disciplinary action as per Section V.2 of the Code of Student Conduct (download link posted in our website). If found guilty, results of the requirement/s in question will be nullified, final grade will be recomputed, and a corresponding change of grade will be filed if warranted.

CLASS HOURS. The official designated hours for the class is from 6:00pm until 9:00pm. However, to take into consideration possible activities of some students before class, the session will normally start at 6:20pm. and will end at around 8:30pm. In the event of unforeseen cancellation of classes (e.g. natural disasters) and/or when needed, we will adjust the schedule of activities for a number of future sessions to maximize the allotted number of hours for the class to cover lost time and avoid holding additional make-up classes.

DROPPING THE COURSE. A student is considered dropped upon completion of the dropping procedure (see https://crs.upd.edu.ph/downloads/Dropping%20Flowchart.pdf). A student may officially drop the course **on or before 11 April 2019**.

REFERENCES

- Finkel RA (1996). **Advanced Programming Language Design**. Addison-Wesley, USA

- Sebesta RW (2012). **Concepts of Programming Languages (10th ed)**. Pearson, USA