CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Course: **CSC 321 Programming Languages section 01 and 02**
Time: **T/Th 1:00 – 2:15** (section 01) **and 5:30 – 6:45** (section 02)
Professor: **Malcolm McCullough**
Email: **mmccullough@csudh.edu**
Office Hours: **MW 11:30 – 12:30 and TH 19:00 – 21:00 (7:00-9:00)**

Description:
This course is a comparative study of programming languages. We will look at the formal description of languages, four different types of programming paradigms and some of the most typical characteristics of languages in those four paradigms. There will be programming assignments in several languages (Java, C, Scheme and Prolog).

Prerequisites:

- CSC 221 with grade "C" or better
- MAT 281 with grade "C" or better
- Consent of Instructor.

Required Materials

- **Textbooks:**

[Required]
Concepts of Programming Languages, 10th edition (or newer), Robert W. Sebesta, Pearson Addison Wesley

a 9th edition should do

[Required]
The Little Schemer, 4th Edition, By Daniel P. Friedman and Matthias Felleisen, MIT Press
The Little Schemer (pdf version)

- **Hardware:** the following hardware is required
  - Laptop/Desktop Computer: A laptop/desktop computer is required that meets or exceed the following specifications:
    - CPU: i5 6th generation (or equivalent); RAM: 8 GB; HDD: 1 GB of free disk space
    - Operating System: Windows 10. or an UNIX desktop OS (e.g. MacOS or Linux)
    - User: standard user account with access to administrative or *root* privileges
  - Webcam: A built-in or standalone webcam is required. Student's computer, together with a webcam, may be used with the Respondus Lockdown Brower to take all tests administered in this course. Your smartphone can not be as a web cam.
- **Software:** we will use the following software during the semester (more on this below)
  - typical office tools, web browser,
  - Respondus Lockdown Brower
  - Java SDK - SE 14 or newer
  - A C compiler - GNU C/C++ development tools
  - A Scheme Interpreter - Kawa (or MIT-Scheme, or Dr Racket, possible others (there will be a course handout)
  - Prolog Interpreter – SWI-Prolog

Time commitment:
This is a 3-unit course. Which means it has 3 hours of lecture per week and can require more than 9 additional hours per week (course activities, projects, reading, studying, etc). That is, it is expected that you can spend ***at least 12 hours*** *each and every week on just this course. If you cannot make the necessary time with your current schedule (work, family, and school) you should not attempt this course.*

I understand the time commitment needed for this course and agree to allocate the time needed to successfully complete this course _____ initials/date.

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Course Goals:
The goal of the course is to

- Discusses the underlying concepts and constructs of the principal programming languages and how they are dealt with in different languages (and programming paradigms).
- Introduces the role of programming languages and the syntactic structure of language descriptions,
- Investigates common features shared by most modern programming languages.
- The specific topics covered includes: variable names and binding, simple and structured data types, expressions and statements, control flow, procedures, functions, methods, modules, parameter passing, and memory management.
- Explore four programming paradigms: imperative programming (Ada & C), object-oriented programming (java, C++, Ada) functional programming (Scheme) and logic programming (Prolog).
    - If time permits we may also discuss event-driven programming and concurrent programming

Learning Objectives / Course Outcomes:
Upon successful completion of this course a student:

- will be capable of understand and apply formal methods in language specification and design (context-free grammars, regular expressions, parse trees, scanning, parsing).
- will be able to demonstrate a thorough understanding of the fundamental issues in language implementation (naming, control flow, data types, subroutines), and make more effective use of languages they already know.
- will be able to make use of the fundamental concepts learned in this course for improving their programming skills.
- improve the programming skills and the efficiency of programs by understanding implementation features of different languages and memory management.
- will be better prepared to choose the best language for a particular problem,
- will be able to solve problems in at least two of the four programming paradigms
- have an understanding of functional programming and logic programming, and be able to read write and read simple Scheme and Prolog programs.
- will understand the different programming paradigms (imperative, object-oriented, functional, logic),
- will be better prepared to learn new languages quickly and completely
- will be able to work in a team-based setting on cooperative projects and/or presentations, and to use the Internet for research and other alternative learning opportunities, such as to identify websites and/or videos covering related topics addressed in this course.
- will be able to demonstrate critical thinking skills through solving problems/exercises and/or case studies relating to topics covered in this course.
- will be able to demonstrate communication (written/oral) skills through identification, comprehension and/or explanation of various conceptual topics covered in this course.

Academic Integrity
Academic integrity is of central importance in this and every other course at CSUDH. You are obliged to consult the appropriate sections of the University Catalog and obey all rules and regulations imposed by the University relevant to its lawful missions, processes, and functions. ***All work turned in by a student for a grade must be the students' own work****. Plagiarism and or other forms of cheating cannot be tolerated and will be dealt with according to university policy.* ***The consequences for being caught plagiarizing or cheating range from a minimum of a zero grade for the work you plagiarized or cheated on, to receiving an F for the course grade.***

Standards of Student Conduct
All students must conform to the Standards of Student Conduct, which have been established by students and college staff and have been approved by the Board of Trustees. The Standards of Student Conduct are listed in the Academic Policies section of the university Catalog.

Behavioral Standards
Behavior (which includes course communication and dialog) that persistently or grossly interferes with classroom activities is considered disruptive behavior and may be subject to disciplinary action. Such behavior inhibits other students' ability to learn and an instructor's ability to teach. The instructor may require a student responsible for disruptive behavior to leave class pending discussion and resolution of the problem and may also report a disruptive student to the Student Affairs Office (WH A-410, 310-243-3784) for disciplinary action.

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Communication Etiquette

In addition, when you send an email to your instructor, you should:

- *Put course **and section number** and very concise descriptive of issue (a few words) in the subject line.*
- *Be brief. Do not include irrelevant information.*
- *Avoid attachments*
- *Use plaint text or HTML do not use RTF or other encodings.*
- *Emails must be sent from your campus account*
- *Use the name given to campus)*

Netiquette

When communicating online, you should always:

- *Treat others with respect (in any communication). Be cautious using humor or sarcasm; tone is usually lost and you can easily give offensive.*
- *Use clear, concise, and professional language. Limit or avoid overuse of emoticons like* 😀.
- *Use standard fonts sizes (10/12 pt. font)*
- *Avoid using the all caps (cap-lock) - IT IS INTERPRETTED AS YELLING.*
- *Be careful with personal information (both yours and other's).*

In addition, when you send an email to your instructor, you should:

- *Put course and section number and possible a descriptive word or two in the subject line.*
- *Be brief. Do not include irrelevant information.*
- *Avoid attachments unless you are ask to send.*
- *Use plaint text or HTML do not use RTF or other encodings.*
- *Send your email messages from your campus account and use your name (as used by campus).*

When posting on the Discussion Board in your online class, you should:

- *Make posts that are on topic, serious and review and edit before sending.*
- *Be clear and concise while still making a thorough comment.*
- *Always give proper credit when referencing source.*
- *Always be respectful of others' event if you disagree.*
- *Be open-minded.*

I understand objectives and outcomes and agree to abide by the Standards of Conduct and Behavioral and Academic Integrity _____ initials/date.

Course Policies:

- *Students responsible for all material presented and from readings, assignments, etc regardless of for attendance or participation.*
- *Deliverables (assignments homework, quizzes, and projects) are generally **not** accepted past the due date.*
- *Deliverables (assignments homework, quizzes, and projects) submitted after the due date may receive a score of 0.*
- *Any exceptional, non-academic, unforeseeable circumstances need to be discussed with the instructor as soon as they arise, or is reasonably possible. Unless it is infeasible this needs to be done prior to the due date of the deliverable or exam. Failure to notify the instructor of the issue(s), as soon as reasonable possible, forfeit your right to any special accommodations.*
- *The instructor reserves the right to award partial credit for deliverables that are incomplete or do not work. Partial credit is awarded solely at the instructor's discretion, and only for work that merits such an award. Assignments that are incomplete or incongruous with the specifications may be returned to the student ungraded (score of 0).*

I understand the above course policies _____ initials/date.

Course Expectations:

Students are expected to study the chapter readings and complete assigned homework problems in-depth. It is extremely important not to get behind in our work. Course material is much more easily understood by reading, practicing, and reviewing the material.

The method of instruction shall be discussions of course materials and then, when possible, class activities. Students are encouraged to ask questions and to requests additional explanation when you are uncertain about concepts or other items discussed in this course.

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Participation Policy:
Students are expected to participate fully. Participation will have an impact on your final course grade.

Substantive participation is defined as active involvement in-class and discussion board activities (questions/responses/statements that are rich, deep and probing). It may include piggybacks on someone else's comment, challenging assumptions or adding depth to the discussion. Sometimes it is a new idea or question. Substantive input adds depth to a discussion and carries its own weight. It demonstrates that students are using his/her critical thinking skills and values the advancement of knowledge for themselves and others.

Additionally, ***students are responsible for all materials covered in lectures, readings and assignments and any additions or modifications to the syllabus, and or announcements posted on blackboard.*** *Students are strongly encouraged to ask relevant questions, make pertinent comments, and present answers to questions on the class discussion board. Course announcements will be made during class, and at a later time may be posted on Blackboard's announcements. Students are encouraged to use email to communicate with the instructor on individual matters related to the course. It is the student's responsibility to ensure that the e-mail provided is correct, or that the e-mails are forward to an address that students check daily.*

Knowing Your Responsibilities
CSUDH provides the student with a wide variety of academic assistance and support, but it is up to the student to know when they need help and to seek it out. It is their responsibility to keep informed and to obey the rules, regulations and policies which control their academic standing and life as a CSUDH student. Meeting deadlines, completing prerequisites and satisfying the degree and certificates requirements, as found in the curriculum guides in this catalog, are all part of the duties as a student. Consult this catalog, the college and school announcements and the schedule of classes for the information needed. Watch for official announcements.

Course Expectations:
Students are expected to study the chapter readings and complete assigned homework problems in-depth. It is extremely important not to get behind in our work. Course material is much more easily understood by reading, practicing, and reviewing the material.

The method of instruction shall be discussions of course materials and then when possible class activities. Students are encouraged to ask questions and to requests additional explanation when you are uncertain about concepts or other items discussed in this course.

I understand the terms of the course expectations and time requirements for this course. _____ initials/date.

Computer Information Literacy Expectations (*Computer Literacy Skill)*
It is expected that students will:

1. *have an understanding of basic computer hardware and software*
2. *have access to a personal computer (see specification below) and have administrative or root privileges;*
3. *have access to Internet;*
4. *be able to download and install software;*
5. *be familiar with (able to use) software developing tools (IDE)*
6. *be familiar with using email as a communication tool and check campus daily (always check before star of lecture);*
7. *be able to access course websites (Blackboard) and check the course site often;*
8. *be to use a word processing and other office like program;*

Minimum Computer Specifications: *In addition to the hardware and software requirements listed above, there are many software tools that will be used to deliver content, discussion, and administer exams. Students must have a computer system and Internet access that is compatible with Blackboard, the campus' Learning Management System and Zoom, a video conferencing platform. To ensure reasonable interactive sessions, all students must have, at a minimum, the following specifications on their personal computers:*

System Requirements:

- *Operating System: Windows 10, MacOS 10.13+, Linux with 4.4+ Kernel*
- *CPU: i5 6th generation (mid-range performance 2015); RAM: 8 GB; HDD: 1 GB of free disk space*
- *User and administrative account (Administrative or root privileges)*
- *Audio / Video: speakers and microphone* - ***web-camera***
- *Internet browser: Safari / Chrome / Firefox or Explorer (update)*
  - *Respondus Lockdown Browser: Required for quizzes/exams.*
- *Stable Internet access (minimum 10 Mbps)*

If a student does not have access to a system with the above requirements, they should contact

- **CSUDH Technology Loaner Program** (https://techloaner.csudh.edu/)
  There are: Laptops, webcams, headset, and mobile Internet access (Mifi) devices

- **Software and Platforms Used – may need to be installed**

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

- SUA[POSIX] Subsystem for Unix-based Applications (POSIX - Portable Operating System Interface)
  - If your OS is Windows 10, then install Microsoft's Linux Subsystem (https://docs.microsoft.com/en-us/windows/wsl/install-win10) Ubuntu is a good choice
  - If your OS is MacOS then install brew (aka homebrew) (https://brew.sh)
  - If your OS is Linux you are in good shape
- There will be some Language Development Software that you will need to install

More details to follow (course handout: System Requirements and Software and Platforms Used)

- Java SDK (Java SE 14 or better)
  - How to install multiple java versions on MacOS
  - How to install JDK on Ubuntu
- C/C++ use GNU's compiler - gcc/g++
  - Windows install
    - Microsoft's Linux Subsystem (https://docs.microsoft.com/en-us/windows/wsl/install-win10)
    - then Ubuntu and then follow instructions for Linux
  - MacOS
    - install homebrew (https://brew.sh)
    - then run xcode-select --install
      brew install gcc
  - Linux (Debian or subversion of Debian such as Ubuntu) If you are running a different version and need help, just ask.
    - run apt-get install build-essential
- Scheme kawa
  - Kawa (www.gnu.org/software/kawa/) A light weight Scheme Interpreter implemented in Java GNU
  - Dr Racket (racket-lang.org) Full featured IDE or MITScheme **MIT Scheme** is a very good and complete
  - there are others and a few online interpreters (that we will wait for the course's Scheme handout)
- SWI-Prolog
  - www.swi-prolog.org

- ***Blackboard Learning Management System***

  You will access the course through Blackboard Learn https://toro.csudh.edu. There will be some of the flexibility as this is an online course. And for the most part you will be able to study and participate according to your work and personal schedule within each week of study. However, you are required to complete assignments, quizzes, and activities before due date and exams at their scheduled time.

- ***Turnitin/Gradescope***

  This course may make use of the third-party tool called Gradescope. Turnitin has long be a useful tool as it can scan submitted documents and compare it with Internet recourses as well as what was submitted by your classmates to minimize plagiarism. Turnitin's new tool, GradeScope, will be used grade coding (programming projects). It not only does some checks for plagiarism but can be used to dynamically build a grading rubric

- **LockDown Browser**

  Tests in this course may use the Respondus LockDown Browser. This is a specialized web browser which temporarily blocks access to other applications on your computer while you take a Lockdown Browser required test on Blackboard. Tests using LockDown Browser will include the text, "requires LockDown Browser."
  - Click here to download Respondus LockDown Browser for Mac and Windows. If you are on campus, LockDown Browser is available on computers found in the second and third floor of the library (south), as well as, on the accessibility computers found in the ToroLab.
  - View this short video for a general overview of LockDown Browser. Watch this video to view the install and LockDown Browser test taking process.
  - Note: The webcam feature in LockDown Browser, known as Respondus Monitor, will be used (it is required that you have a functioning webcam).

- **Zoom**

  This course will use the Zoom web conferencing software for meetings/office hours. Go to the Zoom download page to download and install the Zoom Client for Meetings. Zoom is also available for mobile devices on the App Store (iOS) and Google Play (Android). Visit the CSUDH Academic Technology Tutorials page for information on using Zoom.
  - View this short video for a general overview of Zoom.

- Programming Language Development

I understand the course system and software and expectations requirements. _____ initials/date.

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Technical Support and Campus Resources

- Blackboard - If students are having technical problems with the Blackboard, Learning Management System, he/she can contact free technical support in one of the following ways:
  - Blackboard Tutorials: http://www4.csudh.edu/it/services/blackboard/tutorials-students/index
  - Phone: 310-243-2500, option 2 (M-F 8:00 am – 5:00 pm) –Blackboard
  - Helpdesk Ticket: https://csudh.service-now.com (*Learning Management System support on Main Campus).*
  - Blackboard Tutorials
- Campus Service requests
  - Campus Resources & Services
- IT support and Knowledgebase
  - Campus IT Support
- Student disAbility Resource Center – helps students with disabilities have full access to the university's educational, cultural, social, and physical facilities and programs.
  - Disabled Student Services
- Learning / Tutoring / Testing Center. Has both one-on-one and group sessions
  - Learning Center (Tutoring Center)
- Help with using Zoom video Conferencing software
  - Zoom Tutorials

- Computer Science/Technology Students Resource Links
  - *Tutoring*
    - *LSAMP Computer Science Tutoring for CSC 121,CSC 123, and CSC 311.*
      - *TBA – will be announced in class*
    - *Study Sessions / Extended Office hours – TBA Fridays 11:00 -14:00 (CSC221:11-12, CSC300:12-1, CSC321:1-2)*
  - Software
    - Microsoft Software - Microsoft Imagine Program
      - Microsft Azue DevTools
      - Quick Start LinkSign in with your campus school email address
      - Some of the Available Software
        - Microsoft Windows OS, Visual Studio, Project, Visio, MS SQL
    - Virtualization Software
      - VMWare Academic Program
        - Account are created for CSC student at beginning of each semester and Login/registration instructions are emailed to the students
        - If you didn't receive instructions email kleyba@csudh.edu
    - Office 365 for Students
      - Knowledge base article: https://csudh.service-now.com/it?id=kb_article&sys_id=94aad6abdb36df00bb059ebadb9619cd%20%20%20&catalog=it
    - Zoom conferencing software
      - Available to CSUDH faculty, staff, and students. Zoom is used for collaborative meetings and study sessions. It is available for Linux, macOS, Windows, iOS, and Android.
      - Tutorial and information can be found here: https://at.csudh.edu/docs/?docs=zoom
  - Technology Loaner Program
    - https://techloaner.csudh.edu/

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Special Needs
Online courses are required to meet ADA accessibility guidelines. This means that all aspects of the online learning experience are accessible. Please let me know if you have adaptive software and hardware to assist you with taking this course or if you have any specific needs I should be aware of. The CSUDH Student Disability Resource Center (SdRC) is available to assist you during this course. The SdRC is available at (310) 243-3660 and can be reached by email at dss@csudh.edu.

Americans With Disabilities Act:
CSUDH adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with temporary and permanent disabilities. If you have a disability that may adversely affect your work in this class, you are encouraged to register with Student disAbility Resource Center (SdRC) office and talk to your instructors about how to get the most out of the course and how they can help. All disclosures of disabilities will be confidential. NOTE: no accommodation can be made until you register with the SdRC.. The SdRC is committed to providing all of the University educational, cultural, social and physical facilities and programs available to students with disabilities. The program serves as a centralized source of information for students with disabilities and those who work with them. By providing support services, SdRC assists students with disabilities in the enhancement of their academic, career and personal development. The SdRC Office is located in WH D-180 phone 310-243-3660 (voice) or 310-243-2028 (TDD). Please refer to the SdRC Handbook or website https://www.csudh.edu/sdrc/ for more information.

Examination Integrity Policy.
In this course, students will use an Online Examination Integrity Software called Respondus. This is an automated proctoring system that **records data about students'** testing environment, while they are taking an exam. This type of software is considered essential to ensure the integrity of the testing environment and assists the instructor with test taker identity validation.
PLEASE NOTE: This is a testing environment, and all testing protocols must be adhered to, regardless of location. Students are advised as a test taker to take every precaution and setup the testing environment to maximize success. This may include removing any distractions and sounds as excessive, unnecessary movements may compromise the integrity of the testing environment and result in an unsatisfactory grade.
All students are advised to carefully read the Examination Integrity Policy located under the Respondus application prior to commencing each test. The policy discusses details regarding use of the software program and its requirements. The software requires the use of a **webcam** (internal or external), microphone (internal or external), and **identity verification** using a valid photo identification (ID), i.e. driver's license or State id card.

Due Dates and Make-up Work Policy:
The completion of assignments, homework, course activities, quizzes and programming projects are mandatory and crucial to mastery of the subject matter of this class. Student studying requirements encompass previewing and reviewing, chapters, as well as lecture PowerPoint presentations; homework assignments; activities; programming projects; quizzes; and exams. The due date for homework assignments; activities; programming projects and quizzes will be posted on Blackboard. No credit will be given for untimely submission of homework assignments, project, etc., except under exceptional, non-academic, unforeseeable circumstances that were discussed with the instructor as soon as they arise and prior to the due date of the deliverable or exam or as soon as reasonably possible. Failure to notify the instructor such circumstances in a timely manner forfeits any right to any special accommodations.

Make-up examinations and quizzes:
Make up exams will generally not be allowed. The score of one of the four midterm exams will be dropped from the calculation of a student's grade. **A make-up examination will be allowed only for extraordinary, unforeseen, and unavoidable circumstances, that are clearly beyond the control of the student, are supported by documented evidence. And In addition, the student has notified the instructor as soon as the issue has arisen and prior to the due date (if reasonably possible in the situation**). The make-up examination grade will be substituted for the grade of the missed exam. Students who do not take exam on the date announced, without making arrangements with the instructor according to the preceding criteria, will receive a grade of zero. Make-up quizzes will NOT be given under any circumstances. The three lowest scores for the quizzes will be dropped.

Exams:
There will be four exams, three midterm exams and a final exam. The midterms will be given during the second meeting of the 4th, 8th, and 12th week and the final exam on 16th week (date/time is posted in the final examination schedule set by university and is printed in the campus Class Schedule. These exams will be **synchronous** and only available during the course meeting time on the specified day. The exams will include material from the book, lectures, assignments, projects, quizzes, and activities. Again, students are responsible for any materials that will be presented in the class or material from assigned as readings, assignment, projects, etc. Exams may be administered via Respondus Lockdown Browser and monitor (webcam). A webcam is required (see hardware requirements).

	Section – 01		Section – 02	
Midterm Exams dates:	Wed., Sep 15 th	1:00-2:15	Thu., Sep 16 th	5:30-6:45
	Wed., Oct 13 th	1:00-2:15	Thu., Oct 14th	5:30-6:45
	Wed., Nov 10 th	1:00-2:15	Thu., Nov 11th	5:30-6:45
Final Exam date:	Tue., Dec. 7 th	1:00-3:00	Thu., Dec. 9 th	5:30-7:30

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Quizzes:
There will be weekly quizzes/activities given during the semester (assigned during second class meeting). They will be on the material most recent conveyed in lecture assigned reading or project. These quizzes activities will be asynchronous**. I will drop the two lowest quiz scores**

Assignments:
Assignments will be graded for neatness, completeness, and effort. Assignment information will be posited on Blackboard under the assignment link. It is the students' responsibility to go over solutions to problems/exercises, ask questions and get doubts clarified on an on-going basis. Students must do their own assignments, copying someone else's work, even in small parts, is considered plagiarism and subject to penalties (refer to Academic Integrity). All assignment must include in the upper right-hand corner, **student name** (first-name last-name), the **course name** (and section number), homework or project **assignment number**, and **date submitted**. **I will drop the lowest homework and project assignment scores.** These assignments must be submitted on or before the date due and via a Blackboard assignment link.

Assignments - Homework:
During the semester there will be multiple ~12 homework assignments. They will be announced in class (and later on Blackboard). These assignments must be submitted on or before the date due and via a Blackboard assignment link. Homework assignments may be hand-written, if neat well organized and your writing is legible. If not, then then must be typed. Pictures of the handwritten work must be import into a document (e.g. pdf/doc/etc) and must be neat an organized**. I will drop the lowest homework assignment score**

Assignments - Projects:
During the semester there will be multiple 4-6 projects assigned. They will be announced in lecture (and later on blackboard). These assignments must be submitted on or before the date due and to the Blackboard assignment or Gradescope link.

- The submissions for the projects must include source code files.
- The source code must be submitted, as plain text and with the correct file ending (.java, .c, scm, .pl, …).
- **The submitted code must build (compile and link) under the specified language to be considered for grading**.
- The submitted code should give correct output.
    - submitting code that prints "hello world" for a project to find the fifth Finocchi number is obviously unacceptable. Likewise, submitting code where clearly the student ran the compiler on is unacceptable.
- Submitting plagiarized code will **earn you negative points** (at a minimum). Plagiarism is representing someone else work as one's own, fraudulently trying to take credit for work one did not do. Plagiarized code can come from the Internet (cheg.com) or classmate Note, you must **always type up your own code**, for example, working in a group (this is good) and producing core of the solution that everyone then uses (electronically copies) as a base for their submission. These submissions will very likely be flagged as plagiarized code and graded as such. You must always type up your own solution**.** Copying someone else's code but changing variable names is Plagiarism. Allowing someone to copy your code is not in itself plagiarism but is academic dishonesty. Looking at someone else's code (with permission), figuring out it works and then writing your own version is NOT Plagiarism. Showing someone how to code works is NOT Plagiarism.
- The submitted code must be clearly documented and well formatted. It is very important that your code be very easy to read. This last part is **very important**, your code will be read by the instructor, and readability count heavily in the grading.
- The submitted file must strictly adhere to the naming convention for the submitted files (see below).

The lowest project assignment score will be dropped

Assignments Submission Rules (Blackboard)

- Only submit assignments or project via a blackboard assignment link – (do not send via email)
- Remarks, notes or comments should be put into the comment section of the Blackboard assignment link
- Only submit the file requested. For example do NOT submit Eclipse or NetBeans project files for a Java project, submit just the .java files
- **Always** include the **file-ending** (.txt, .pdf, .doc, .asm, …);
- With the execption of Java files, filenames must adhere to the following format
  <course-number><proj-number><username>.<file-ending> (see filenames)
    - e.g.
        - 218hw01jdoe.txt
        - 218proj03jmzspot.c
        - 218proj05pdown.scm
    - do not ever omit the file ending (.txt, .pdf, .doc, …)
    - do not use any file name enumeration (Windows for example like to enumerate file with same name (e.g. template (1).asm)
    - do not use
        - CAPITAL letters in the file name
        - SPACES in the file name
        - SPECIAL characters in the filename (e.g. '-','_', '(', etc)

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

- For homework only submit file types Backboard understands (see https://help.blackboard.com/Learn/Student/Assignments/Supported_File_Types)
    - .txt, .doc, .dcx, pdf, … Do not use **Pages** (common mac word processor)
    - Do not submit Pictures (see next item)
    - If you are taking pictures (or scanner) your handwritten homework, import them in a single document (e.g. pdf/doc/etc) and put them in order
- Do not use archives (ZIP archive) unless asked to do so.
    - If asked to use zip, archive only the files you need to submit (i.e. source code)
    - If asked to use a compression archive, use the ZIP compression format (yes, rar is better, but use zip)
    - Never ever zip up a zip archive (so annoying)
    - Never include subdirectories (proj02/src/trolling/the/instructor/cause/we/know/he/hates/this/myhomeworkfile.txt)
- Source Code
    a. ALWAYS format your code correctly. At minimum it must have
        i. a comment header at the top of each file with: name, course, project#, description),
        ii. must be correctly indented (warning I am **OCD about indentations**)
        iii. comment your code.
    b. ALWAYS be submitted plain ascii, if submitted in some other file format (e.g. doc/pdf/rtf) it will **not be graded**
    c. the file must have the correct file ending (.java, .c, .asm, etc)
    d. name the file as <course-number><proj-number><username>.<file-ending> (see filenames)

Grading:

Category	***total number***	***number used***	***total weigth***
Exam	***4***	***3***	***45%***
Projects	***n****	***n-1***	***35%***
Homework	***n****	***n-1***	***10%***
Quizzes	***n****	***n-3***	***10%***

Grading Scale:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
100-91	90	89	88-81	80	79	78-71	70	69	68-63	62	61-0

The grades for individual assignments, projects, quizzes, and exams may be posted on Blackboard (www.toro.csudh.edu), but the grading facilities of Blackboard's Grade Center will **not** be used. The column for 'Total Points' will not be relevant, correct, or even significantly correlated to your grade. Your grade is based on the above weighted categories, blackboard, by default, assumes all points are of equal value (equal weight).

*your_grade = (exam_ave * 0.45) + (project_ave * 0.35) + (hw_ave * 0.1) + (quizzes_ave * 0.1)*

I will drop the lowest project and homework score and the lowest three quiz scores before calculating average (this is an example of something Blackboard can not do).
Extra Points: There may be extra credit offered during the semester. It will be added to the score for one of the categories (i.e. homework extra credit). Because it will then be possible to earn more the 100% of the possible point in one or more of the categories, there will be a cap of 100% for all categories

I understand the terms of the grading policy and grading scales. _____. initials/date.

(Note: if the initialed/dated course syllabus is not submitted by the due date (end of first week) a students may be dropped from this course.)

Withdrawal from Class Policy:
The administration of this institution has set deadlines for withdrawal of any college-level courses. These dates and times are published in that semester's course catalog. Administration procedures must be followed. It is the student's responsibility to handle withdrawal requirements from any class. In other words, *the instructor cannot drop or withdraw any student once enrolled in this course, after the instructor drop date as noted in the course catalog.* Students must complete the appropriate paperwork to ensure that he/she will not receive a final grade of Withdrawal Unauthorized "WU", which is equivalent to an "F" in this course.

Student - Instructor Communication

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Some important email communication tips:

- I will generally respond to emails messages sent to me, Monday through Thursday, within 24 hours; messages sent Friday through Sunday except a significate delay the reply.
- **Ask the Instructor** – A discussion board forum. Please use this to post questions regarding coursework - and if you have happened to have the answer, feel free to provide it to your fellow students. While I will post responses as well, this forum is primarily for student-to-student communications.

In this course you will have some of the flexibility of a traditional online course (asynchronous) to study and participate according to your work and personal schedule within each week of study. However, you must still complete assignments, quizzes, and exam by their due dates (the synchronous part of the course). Online course create additional challenges. One of these is self discipline required to dedicate the time need for your studies. You must keep track of assignments, quizzes, projects, exams and the due dates, and schedule and manage your time effectively. Marking your study and your online discussion time in a personal calendar often helps. As part of your personal schedule, make sure you check the course web site (Announcements) and your campus email at least several times a week (if not daily).

Important Days
For more information on the campus' Academic Calendar, visit the **CSUDH Academic Calendar page.**

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Tentative Course Outline:

Week #	Topic	Reading Assignment Concepts of Programming Languages
Week 1	Introduction (history)	Chapter 1 & 2
Week 2	Syntax	Chapter 3
Week 3	Syntax/ Syntactic	Chapter 4
Week 4	Review / Exam 01	1-4
Week 5	Names	Chapter 5
Week 6	Types	Chapter 6
Week 7	Functions / Memory Management	Chapter 9
Week 8	Review / Exam 02	5-9
Week 9	Imperative Programming / Object Oriented	Chapter 10
Week 10	Functional Programming	Chapter 12
Week 11	Functional Programming	Chapter 12
Week 12	Review / Exam 03	10-15
Week 13	Functional Programming	Chapter 15
Week 14	Logical Programming	Chapter 16
Week 15	Logical Programming	Chapter 16
Week 16	**Final**	12- 16

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

ACADEMIC HONESTY PLEDGE

Name: _____
Course: _____
Date: _____

Learning should have a zero-tolerance policy toward academic dishonesty. All students are required to submit work that represents their original words, ideas, or products. You are being asked to sign and submit this Academic Honesty Pledge, promising to avoid plagiarism and other forms of academic dishonesty.
Initial this contract, where noted and submit your electronic signature on the contract before beginning the second-class meeting.

Violating the Academic Honesty Pledge will result in one or more of the following consequences for regular assignments and exams:

1. Lower of score, score of zero, or even a negative score for the graded work (assignment, quiz or exam)
2. Assignment of a failing grade in the course
3. Notification of the incident Department chair and Dean of the College
4. Refer to the Vice President for Student Affairs for disciplinary action according (include expulsion from the university) .

Initial here if you understand these statements:_____

If the instructor is convinced that a student has violated the Academic Honesty Contract on a proctored exam, a zero will be recorded for the final exam grade. A retake will not be allowed.
Cheating on an Exam includes, but is not limited to:

1. The use of digital resources (except where allowed)
2. Help from other students
3. Study Aids
4. Unauthorized notes, etc.

Initial here if you understand these statements: _____

Unacceptable academic practices include, but are not limited to, cheating. Various forms of cheating include:

1. Copying another student's work or allowing your work to be copied
2. Allowing someone other than yourself to submit work in your name
3. Using unauthorized assistance on an assessment
4. Allowing someone other than yourself to take an assessment
5. Giving answers to other students

Initial here if you understand these statements:_____

Unacceptable academic practices include, but are not limited to, plagiarism. Plagiarism is presenting other peoples' ideas, writings, code, or products (written or electronic) by claiming them as one's own and not giving credit to these sources.
Forms of plagiarism include:

1. Submitting work that is not your own
2. Using "copy and paste" from any online source to complete an assignment, discussion, or test
3. Slightly re-wording phrases from another source and passing the phrases as your own
4. Not only word-for-word copying, but also the
    a. "mosaic" (i.e., interspersing a few of one's own words while, in essence, copying another's work),
    b. paraphrase (i.e., rewriting another's work while still using the other's fundamental idea or theory);
    c. fabrication (i.e., inventing or counterfeiting sources),
    d. ghost-writing (i.e., submitting another's work as one's own) and
    e. failure to include quotation marks on material that is otherwise acknowledged;

Initial here if you understand these statements: _____

CSC 321 Programming Languages

California State University Dominguez Hills
Department of Computer Science and Technology

Unacceptable academic practices include, but are not limited to:

1. Academic sabotage: damaging another student's work or grade on purpose
2. Falsifying information: lying to an instructor

Initial here if you understand these statements: _____

I have enrolled in an online course with the full understanding that I will often be working in an unsupervised environment during some class activities. I agree to adhere to the following rules of conduct:

1. I and I alone will complete all of my own assignments.
2. I have read and understand the Academic Honesty Contract and agree to avoid unacceptable academic practices such as:
   - Cheating
   - Plagiarism
   - Academic sabotage
   - Falsifying information
3. I understand that my instructor has access to and will be using plagiarism-detection technologies to identify plagiarized content in my work. Comparisons can/will be made to online content, including work submitted by current and past students.
4. I will ask my instructor for clarification if I have any questions regarding the above Academic Honesty Contract.
5. I understand that if I violate the Academic Honesty Contract for this course, I will be subject to disciplinary action and may receive a zero for the assignment in question, or a failing grade in the course and possibly refer to the Vice President for Student Affairs for further disciplinary action.

To electronically sign this contract, type your name below.

_____

By signing this contract, you are agreeing not to engage in any form of academic dishonesty.