Programming Languages

Syllabus

Prerequisites

➢ CS 13, CS 140B, CS150.

Time and Location

➢ Lecture: MWF 0510-0600PM Sproul Hall 2340

Instructor

➢ Name: Dr. Teodor C. Przymusinski
➢ Office: 335 Surge Building
➢ Office hours: MWF 4-5 or by appointment.
➢ Phone: 787-5015
➢ E-mail: teodor@cs.ucr.edu
➢ Web: http://www.cs.ucr.edu/~teodor

Labs and Teaching Assistants

➢ Section 21 R 0210-0500PM SURGE 171   Vladimir Vacic
➢ Section 22 F 0810-1100AM SURGE 170   Christos Koufogiannakis
➢ Office: Surge Building, 3rd Floor

Mailing List

➢ A class mailing list: cs181@lists.cs.ucr.edu will be established to disseminate information pertaining to this class.
➢ Make sure to sign-up for the mailing list in order to receive prompt information about class assignments, additional resources and other pertinent matters.
➢ Students should sign up for it at: https://www.cs.ucr.edu/mailman/listinfo/cs181
➢ IMPORTANT: *only UCR e-mail addresses will be allowed on the list!*

Textbooks

➢ Required: C. Ghezzi and M.Jazayeri, Programming Language Concepts, John Wiley.
➢ Any Prolog manual or textbook will be helpful – several are available in the library.

Additional Resources

➢ Programming assignments as well as any other required files and resources will be made available through the course web page maintained by the TAs
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➢ Textbook's home page: http://www.infosys.tuwien.ac.at/pl-book/

➢ SimpleSem interpreter: http://www.infosys.tuwien.ac.at/pl-book/simplesem/simplesem.html

➢ Prolog:

  ➢ *Berkeley AI Repository: http://www.cs.berkeley.edu/~russell/prog.html*

  ➢ *CMU Repository for AI: http://www.cs.cmu.edu/afs/cs.cmu.edu/project/ai-repository/ai/html/air.html*

  ➢ *Computational Intelligence: A Logical Approach: http://www.cs.ubc.ca/spider/poole/ci/*

  ➢ *Freeware SWI Prolog software: http://www.swi.psy.uva.nl/usr/jan/SWI-Prolog.html*

Expected coverage

Selected topics from the following chapters:

➢ Chapter 1: Introduction.
➢ Chapter 2: Syntax and Semantics.
➢ Chapter 3: Structuring the Data.
➢ Chapters 4, 5, 6, 7, 8: Selected sections only.
➢ Brief introduction to Prolog and Java.

Important Note: Students are required to read the sections pertaining to the material covered in the class and familiarize themselves with the relevant exercises. Students are also required to attend both the lectures and the lab sections.

Grading Policy

Grading will be based primarily on two exams and two programming assignments.

Approximate weights assigned to the exams and assignments will be as follows:

Midterm Exam	25%
Final Exam (Monday, March 14, 7-10pm)	45%

Programming assignments (2)	20-25%
Pop-up quizzes	5-10%

Exams: Questions posed on exams may include both problem solving, programming problems as well as statements of fundamental definitions and results

Quizzes: Several pop-up quizzes will be given in the lab with _no make-ups_.

Programming assignments: Programming assignments will be given in Prolog. Students should gather and study in advance manuals and any other materials needed to run simple programs in this language and, if possible, should practice its usage. Programming assignments are due by the midnight of the date specified and are to be submitted electronically by means of the _"turnin"_ WWW program available at **https://www.cs.ucr.edu/**. There will be a 20% penalty for assignments that are late by one day, 50% penalty for a two-day delay and no credit will be given for homework that is more than two days late.

➢ IMPORTANT: Programming projects must be developed completely independently by each one of the students. No cooperation, discussion, sharing, exchange or consultation between the students themselves is allowed. This, of course, does not apply to any discussions taking place during the lectures or labs under the supervision of the instructor or a TA. Students violating this policy will be given a failing grade for the course and their case will be referred to the office of Vice-Chancellor for Student Affairs. On the other hand, students are strongly encouraged to cooperate and consult each other in preparation for the exams.

Since it is only possible to judge someone's answers and not their mind, you are advised to practice writing down answers to questions in precise and intelligible English. Many points are lost through improperly worded answers by students who probably understand the concepts and methods necessary for a correct answer.

Welcome to the Class!