Instructor:  Qi Cheng ( DEH254, qcheng@ou.edu)

Office Hours:  W 1:30-2:45 F 9-10:20

Teaching Assistant and Office Hours:

Class Meetings:  Physical Science Ctr ( PHSC 0201 ), 03:00 PM - 04:15 PM (MW)

Course Website:  Access through https://canvas.ou.edu

Required Text:  Programming Languages Pragmatics, Michael L. Scott, 4th edition, Morgan Kaufmann.

Required Work:  Please submit your homework at https://canvas.ou.edu. Late homework will not be accepted without advance approval. The final grade consists of

  Quiz 30%
  Homeworks 20%
  Midterm 20%
  Final Examination 30%

  The quiz with the least score will not be counted in your final grade. No make-up quiz can be provided. Students are expected to study the chapter before a lecture.

Learning Goals and Plan:  An introduction to theoretical foundations and paradigms of programming languages. Topics include basic concepts such as lexical analysis, syntax analysis, type systems and semantics, some practical issues such as memory management and exception handling, and programming paradigms such as imperative programming, object-oriented programming, functional programming and scripting. We will cover Chapters 1, 2, 3, 4 and 6 in the first half of the semester, and Chapters 7, 8, 9, 10, 11 and 14 in the second half.

Specific Outcomes of Instruction:  By the end of the semester, the students will increase their: 1. Ability to apply knowledge of computing and mathematics appropriate to the discipline (outcome a), 2. Ability to use current techniques, skills, and tools necessary for computing practice (outcome i).

Special Note:  Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact the instructor as soon as possible to make necessary accommodations.

Adjustments for Pregnancy/Childbirth Related Issues:  Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact me as soon as possible to discuss. Generally, modifications will be made where medically necessary and similar in scope to accommodations based on temporary disability. Please see http://www.ou.edu/eoo/faqs/pregnancy-faqs.html for commonly asked questions.
Title IX Resources: For any concerns regarding gender-based discrimination, sexual harassment, sexual misconduct, stalking, or intimate partner violence, the University offers a variety of resources, including advocates on-call 24.7, counseling services, mutual no contact orders, scheduling adjustments and disciplinary sanctions against the perpetrator. Please contact the Sexual Misconduct Office 405-325-2215 (8-5) or the Sexual Assault Response Team 405-615-0013 (24.7) to learn more or to report an incident.