

MIDDLE EAST TECHNICAL UNIVERSITY, NCC
Computer Engineering

CNG 242 - PROGRAMMING LANGUAGE CONCEPTS
Spring '2010

Instructors: Onur Tolga Şehitoğlu (onur@ceng.metu.edu.tr)
TA: Vassilya Abdulova (vassilya@metu.edu.tr)
Lecture hours: Wednesday: 13:40-14:30 (S104)
Friday: 10:40-12:30 (S104)
Recitation: (to be announced later)

Textbooks:

- Watt, David A., *Programming Language Design Concepts* Wiley , 2004.
- Stroustrup, *The C++ Programming Language*, 2nd Ed. (3rd Ed.) Addison Wesley Publishing Company, 1994 (1997).

Week	Topic
Feb 17-19	Introduction, Values and Types
Feb 24	Values and Types
Mar 3-5	Storage, Variables and Commands, R1
Mar 10-12	Bindings and Declarations, HW1,R2,
Mar 17-19	Abstraction and Parameter Passing,
Mar 24-26	Encapsulation, HW2, R3, (Haskell Quiz)
Mar 31-Apr 2	Type Systems, Sequencers
Apr 7-9	OOP [Introduction to C++], MT EXAM
Apr 14-16	OOP [Operator Overloading in C++], R4, HW3
Apr 21-23	OOP [Complex Objects and Inheritance in C++], R5
Apr 28-30	OOP [Templates and Exception Handling in C++], HW4
May 5-7	Logic Programming Paradigm, Prolog /1, (C++ Quiz)
May 12-14	Logic Programming Paradigm, Prolog /2, R6 HW5
May 19-21	Syntax, parsing
May 26-28	Syntax, parsing and overview, HW6

Midterm 30% (MT will be a closed book exam)

Final 30% (Final Exam will be a closed book exam)

Quizzes (2) 15% (Quizzes will be open book short exams)

Programming HWs (6) 25% (Homeworks are always posted on wednesdays of indicated week and they will be due the second sunday after. *No deadline extension!*)

Cheating policy: both parties of the cheating get 0 from all of the 6 homeworks. No exception made. Stealing homework from somebody or hiring somebody to do your homework are subject to disciplinary action.

Web page METU online and <http://cng242.sehitoglu.net/>