

CS 2412 Data Structures

Fall, 2014

General information:

Instructor: Dr. Ruizhong Wei (AT 5021, Ex. 8227)

Email: rwei@lakeheadu.ca

Text: R. F. Gilberg and B. A. Forouzan, Data Structures, A pseudocode approach with C, Course Technology, 2005

Time and location: WF 8:30-10:00 am., AT 2003

Labs: Fridays 2:30 - 3:30 pm. AT 3003

Office hours: Wednesdays 2:30 - 3:30 pm. AT 5021

Course web: <http://peace.lakeheadu.ca/cs2412.html>

Prerequisite: CS 1431

Description:

This course includes programming in C with the general concepts of data structure and variables such as stacks, queues, lists, trees, graphs etc. Applications to searching and sorting algorithms and basic complexity analysis will be discussed.

Materials:

Based on lecture notes, though the text book will be referred frequently.

Assignments:

There will be 4 - 5 assignments in this term. Late assignments will be penalized and will not be accepted after 3 days.

Examinations:

The regulation of examinations and related matters is described on University's Calendar. This course will have a written mid-term test and a written final exam.

Course grade:

To determine the final grade of the course, the following weights will be applied:

- Assignments: 30%
- Labs: 10%
- Mid-term test: 20%
- Final exam: 40%