

- **Schedule of classes:**

	Days	Lect/Sec	Time	Room
Lectures	M-F	E, U	10:30 AM – 11:50 AM	GHC 4102
Recitations	W	E, U	4:30AM - 5:50PM	GHC 5205
Help Sessions	F	E and U	4:30-5:30 PM or time TBA	GHC 5205

- **Instructor:**

Instructor	Ananda Gunawardena (a.k.a guna)
Email	guna@cs.cmu.edu
Office	6605 GHC
Office Hours	M, W : 02:00pm – 03:00pm Or any other time I am in office. Just stop by. No appointment necessary Or call/text me (only in urgent situations) 412-260-8647

- **Teaching Assistants:**

TA	Rafee Menon
Email	rmemon@andrew.cmu.edu
Sec/Time	TBA
Office Hours	TBA

- **Optional Textbook:**

Lewis and Chase, "Java Software Structures: Designing and Using Data Structures", 3rd Edition, Addison-Wesley, 2010, ISBN: 0136078583

- **Online Textbook:**

[Introduction to Data Structures](#), Manuscript Edited by Ananda Gunawardena (work in progress)

- **Course Environment:**

Course Home Page: <http://www.cs.cmu.edu/~ab/15-121N11>

- **Programming Environment:**

You may use any programming environments available to you such as CodeWarrior, Eclipse, Project Builder, TextPad, Emacs and others. However, all code must run under command line on andrew linux.

- **Course Requirements:**

Participation in this course consists of the following activities

- Attending and participating in lectures and recitations
- Reading online notes
- Carrying out homework/lab assignments
- Taking the quizzes, midterm, and final
- Performing collaborative exercises using Classroom Salon
- Staying up to date on announcements on the bboard

Attendance is strongly encouraged. You will be responsible for all materials presented in lectures. You should not expect that all lecture materials will be given to you in written form, nor should you expect that lectures will be drawn from the textbook. No lectures will be repeated during recitations or office hours unless the entire class needs a clarification.

- **Coursework Grade:**

Course Assignments	Weights
6-7 Programming Labs	40%
4-5 Quizzes	10%
Collaborations	15%
1 Midterm	15%
Final	20%

- **Coursework Grading Scale:**

Standard Grading Scale

- 90-100 – A, 80-89 – B, 70-79 – C, 60-69 – D, <60 – R
- Pass/Fail Option – Need at least 70% course average to Pass
- Audit Option – Must attend at least 90% of the lectures, no assignments graded

- **Course Assessment:**

There will be a final exam (written) exam. The exam will be administered on the last day of classes.

There will be ONE midterm exam (80 mins long).

There will be 4-5 quizzes (20-25 mins long) given during lectures.

There will be “Classroom Salon” assignments (take home) that are reading/writing/peer review assignments based on lectures, lab specifications and/or conceptual understanding of assignments

- **Makeup Exam Policy:**

Make-up exams and quizzes are a courtesy that is extended to students by their instructors. An instructor is never obligated to provide a make-up exam for any student, except in case of medical or family emergencies. Students with a verifiable medical reason may be excused from being present for scheduled examinations.

If you miss the exam for medical reasons and wish to take a makeup you need to inform me by phone (412-268-1559; there is voice mail) or email BEFORE the exam or quiz. You are also obligated to provide a verifiable medical reason (doctor's note). If you do not comply with this, you cannot take the makeup and will receive a zero on the examination.

- **Programming Assignments:**

The homework assignments are a critical part of the course. Experience has shown that concepts are best learned by direct engagement---in our case by applying them to example problems or by implementing them using computer programs.

Programming assignments will be graded based on style (modularity, effective use of data abstraction, readability, commenting, etc.) and functionality (correctness and efficiency on the test inputs.) A working program is NOT sufficient for full credit. Make sure you do a thorough data validation and edge case testing. Your code should be properly annotated with comments. Your assignments will be graded by your TA.

The assignment should be handed-in electronically by midnight of the day that is listed as due day. Read FAQ for submission procedure. Late submissions will be penalized by 25% per day up to a maximum of 2 days (since we need to grade things quickly in this course we will not accept any assignment 2 days after assignment due). We also allow 3

late days (for the semester) that can be applied to any assignment to offset the penalty. Only one late day can be applied per assignment, and you must communicate with TA directly if you are planning to use a “free” late day.

- **Assignment Extension Policy:**

If you cannot finish the work by deadline, you have to make an arrangement with your TA or the instructor for an extension BEFORE the due date. In your email or verbal petition you have explain your circumstances AND demonstrate the progress you made on that lab assignment. Each extension will be determined on a case by case basis. Usually extensions will be granted for extreme circumstances only, such as unanticipated illnesses or other emergencies (including an on-site job interview). Last-minute computer, network, or vehicle problems are not emergencies.

- **Collaboration:**

We will not allow any collaboration on programming assignments. That is, all assignments are individual and you must write your own code. However we encourage discussions with your colleagues in regards to understanding the programming assignment. We encourage classroom salon discussions (<http://www.classroomsalon.org>) that will be part of the assessment in this course. Extra credit can be completed using groups.

- **Cheating:**

For homework assignments, students are encouraged to talk to each other, to the course staff, or to anyone else about the assignments. This assistance, though, is limited to the discussion of the problem and perhaps sketching of general approaches to a solution. Each student must develop his or her own solutions to the homework. Consulting another student's solution is prohibited, and submitted solutions may not be copied from any source. Any code used (original or modified) from another student's program, willingly or unwillingly is considered “cheating”.

The issue of cheating will be taken seriously by the instructor and TAs, and homework assignments will be routinely checked for violations, which will be handled in accordance with the University regulations. Cheating carries some serious penalty at CMU.

Each programming assignment will be [MOSSED](#) for Plagiarism Detection.

Summer Session Two 2011

(6 week session)

Session Two: (M=6, T=5, W=6, Th=6, F=5) Total=28

June 27
July 1
July 1

M	Session Two Classes Begin
F	Session Two Course Add Deadline without Dean's Permission
F	Session Two Audit Grade Option Deadline

July 1	F	Session Two Course Drop Deadline to Receive Tuition Adjustment
July 4	M	Independence Day; No Classes
July 19	T	Session Two Course Drop or Pass/Fail Grade Deadline; Assign Withdrawal Grade for Course Dropping
August 1-5	M-F	Session Two Faculty Course Evaluations
August 4	Th	Session Two Last Day of Classes
August 4	Th	Session Two Course Drop Deadline to Receive a Withdrawal Grade
August 5	F	Session Two Final Exams
August 9	T	Session Two Final Grades Due by 4:00 p.m.

Notes:

* Exceptions for Tepper refer only to graduate programs.

1. Students dropping a course while maintaining enrollment will receive a tuition adjustment only if they drop by this date. Students taking a Leave of Absence or Withdrawing from the University should consult the official Tuition Adjustment Policy.
2. Not applicable for graduate students except graduate students in MCS & Tepper.