Course	CS2336.502.16F
Course Title	**Computer Science II**
Professor	Kamran Z. Khan
Term	2016 Fall Semester
Meetings	5:30pm-6:45pm AH2 1.204

Professor's Contact Information

Office Phone	(214) 280-7124
Other Phone	(972) 883-3892
Office Location	ECSS 4.607
Email Address	kkhan@utdallas.edu
Office Hours	Mon, Tue, Wed, Thurs: 4:15 – 5:15pm or by Apt
Other Information	I do not read eLearning email

General Course Information

Pre-requisites, Co-requisites, & other restrictions	CE 1337 or CS 1337 or TE 1337 with a grade of C or better. Prerequisite or Corequisite: CE 2305 or CS 2305 or TE 2305 with a grade of C or better. (Same as CE 2336 and TE 2336) (3-0) S
Course Description	Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. Includes comprehensive programming projects. Programming language of choice is Java.
Learning Outcomes	1. Ability to implement recursive algorithms 2. Ability to implement linked lists, stacks, and queues 3. Ability to implement a binary tree 4. Ability to use hash tables and graphs 5. Ability to understand algorithmic analysis 6. Ability to create a comprehensive programming project
Required Texts & Materials	Intro to Java Programming (10th Edition) Liang ISBN-13: 978-0133761313 ISBN-10: 0133761312
Suggested Texts, Readings, & Materials	TBD

Assignments & Academic Calendar

Class	Date	Material Covered
1, 2	Aug 23, 25	Introduction; Review Chapters 1-7
3, 4	Aug 30, Sep 1	Review Chapters 1-7
5	Sep 6, 8	Review Chapters 1-7; 9
6, 7	Sep 13, 15	Chapters 9, 11
8, 9	Sep 20, 22	Review, Exam 1 (1-7, 9, 11)
10, 11	Sep 27, 29	TBD
12, 13	Oct 4, 6	TBD
14, 15	Oct 11, 13	TBD
16, 17	Oct 18, 20	TBD
18, 19	Oct 25, 27	Review; Exam 2 ()
20, 21	Nov 1, 3	TBD
22, 23	Nov 8, 10	TBD
24, 25	Nov 15, 17	TBD
	Nov 22, 24	Fall Break (no classes)
26, 27	Nov 29, Dec 1	TBD
28, 29	Dec 6	Final Review
	TBD	Final Exam (Comprehensive)

Course Policies

Grading (credit) Criteria	Exam 1: 15%; Exam 2: 15%; Final Exam 25% Assignment Average: 20%; Project Average: 25% All programming projects must be demonstrated to the instructor or the TA for the student to receive a grade on them. To pass the course, a student has to pass separately in examinations and programming projects. In order to obtain an "A" or "A-" grade a student must perform above class average in the examinations, as well as above the class average in the programming projects. This is the minimum requirement, and satisfying this requirement does not guarantee an A or A- grade.
Make-up Exams	Make-up examinations will be offered only if the student has a valid medical If a student has to be absent for several classes because of job related obligations, he/she will not be eligible for an incomplete grade. In such instances the student is advised to drop the course.
Extra Credit	No extra credit work will be assigned.
Late Work	Programming projects submitted after the due date will be penalized at the rate of 10% of the total credit for that project for every day (not including weekends and holidays) by which they are late. Late submissions will not be accepted once the solution has been discussed in class and the graded submissions have been returned.
Class Attendance	Regular attendance is highly recommended. Unexcused absence in three successive lectures will result in a dropping of one letter grade; and four successive lectures will result in a failing grade (as per the Computer Science department's policy)
Classroom Citizenship	The instructor encourages students to take active part in class discussions. No question is too simple/stupid to be asked. So, do not hesitate.
Comet Creed	*This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:* *"As a Comet, I pledge honesty, integrity, and service in all that I do."*
UT Dallas Syllabus Policies and Procedures	*The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus.* *Please go to http://go.utdallas.edu/syllabus-policies for these policies.*

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.