

**Computer Science Technology Department
Houston Community College
Northwest College**

Monday, August 12, 2013

COSC 2436 – Programming Fundamentals III (Data Structure)

Semester – Fall 2013

Distance Education Section, Delivered via the Internet – 24/7 at your convenience

Eagle on line (go to: <https://hccs1.mrooms3.net/login/index.php>)

For In-Class (assignments, supplementary reading materials, and quizzes are on line.

Professor: Alireza Nikzad - Phone 713-718-5546 (Leave a Voice Message)

Regular E-mail: Alireza.Nikzad@hccs.edu

To the Course: <https://hccs1.mrooms3.net/login/index.php>

Office Hours: By appointment as needed

Final Exam for THIS course is conducted at Spring Branch Campus ONLY, ON DECEMBER 7th, Room 117.

IT IS NOT OFFER ONLINE OR In any Other HCCS Campuses

Look at the Course materials on line for the detail or contact instructor

NOTE: MEMINGITIS IMMUNIZATION REQUIRED FOR SPRING REGISTRATION

Texas Senate Bill 1107 passed in May 2011, requires that new HCC students and former HCC students returning after an absence of at least one fall or spring semester who are under the age of 30 are required to present a physician-signed certificate showing they have been vaccinated against bacterial meningitis. Students will have to satisfy this requirement prior to enrollment. For more information and a list of exemptions, please go to <http://www.hccs.edu/hccs/admissions-registration-center/new-student-general-admissions-steps/submit-meningitis-documentation>

EGLS3 -- Evaluation for Greater Learning Student Survey System

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and division chairs for continual improvement of instruction. Look for the survey as part of the Houston Community College Student System online near the end of the term.

Eagle on line Delivery of Instruction: All sections of the course taught by this instructor employ computerized internet delivery of course materials by using Eagle on line (educational delivery software). You will receive learning objectives, reading lists, some instruction materials, lab assignments, quizzes, and most of your exams using Eagle on line.

Related Material: This course requires the use of Sound Card, speakers, a microphone (if announced as needed), REAL PLAYER software (see: <http://csci.hccs.edu> under "Distance Ed Courses" then "Real One Basic Player" – The Basic Player is free), a C++ compiler software (We have three to pick from: one compiler is bundled with your text book, one is available free via the internet and we provide a free compiler within the course materials. More details are provided with the course materials.) and a word processing or text processing software (student's expense and students usually use Word 2007, Word 2003, Word Pad or Note Pad; all by Microsoft).

Student Attendance/Participation is Mandatory: As a Distance Education section of this topic, you must make satisfactory progress in this course. Students may be withdrawn, if in the opinion of the instructor, the student has fallen behind in their assignments and it is not reasonable to expect the student to complete the course during the semester. If you decide to quit participating in the course ***before*** the Last Day for Administrative/Student Withdraws,

You should see the Registrar and properly withdraw so that you will receive a W. If you quit participating in the course ***after*** the Last Day for Administrative/Student Withdraws, you will receive an F. This will apply to all students. Incomplete grades are rarely given.

Thus, you need to be in regular contact with your instructor during the semester. Most of this contact will be electronically within the Eagle on line environment. The final exam will be done at the Distance Education testing sites (with more information to be announced as test days approach). Again if you have a question please contact your instructor.

Eagle online Student User ID

Your Eagle on line login user ID will be [your HCC User ID \(sometimes referred to as the “W” number\)](#). All HCC students have a unique User ID. If you do not know your User ID you can look it up by visiting the HCC home page:

- From www.hccs.edu, click on “Login Help” under the “Student System Sign In” field
- Then click on “Retrieve User ID” and follow the instructions.

Or use the direct link: <https://hccsaweb.hccs.edu:8080/servlets/clientservlet/sauat/?cmd=start>

The default student password is “distance.” Students will then be prompted to change their password after their first login. Please visit DE Technical Support FAQs if you need additional assistance with your log in.

HCC Course Withdrawal Policy

The State of Texas has begun to impose penalties on students who drop courses excessively. That is, if you repeat the same course more than twice, you have to pay extra tuition. In addition, as of Fall 2007, students are limited to no more than SIX total course withdrawals throughout their educational career at a Texas public college or university.

To help students avoid having to drop/withdraw from any class, HCC has instituted an Early Alert process by which your professor will “alert” you and Distance Education (DE) counselors that you might fail a class because of excessive absences and/or poor academic performance. Contact your DE professor regarding your academic performance or a DE counselor to learn about what, if any, HCC interventions might be available to assist you – online tutoring, child care, financial aid, job placement, etc. – to stay in class and improve your academic performance.

In order to withdraw from your DE class, you MUST contact your DE professor and this must be done PRIOR to the withdrawal deadline to receive a “W” on your transcript. If you do not withdraw before the deadline, you will receive the grade that you have earned by the end of the semester. Zeros averaged in for required assignments/tests not submitted will lower your semester average significantly, most likely resulting in a failing grade (“F”). If you do not feel comfortable contacting your professor to withdraw, you may contact a DE counselor. However, please do **not** contact both a DE counselor and your DE professor to request a withdrawal; either one is sufficient.

Student Services

DISTANCE EDUCATION ADVISING AND COUNSELING SERVICES:

Much DE student information can be found on the DE Student Services website: www.de.hccs.edu. Advising or counseling can be accomplished by telephone at 713/718-5275 - option # 4 or via email at decounseling@hccs.edu. Student Services Associates (SSA) and Counselors can assist students with admissions, registration, entrance testing requirements, degree planning, transfer issues, and career counseling. In-person, confidential sessions, can also be scheduled, if necessary, as HCC counselors maintain a local referral base in order to provide appropriate referrals to students with personal or family issues that may require long-term solutions.

INTERNATIONAL STUDENTS: International Students are restricted to ONLY ONE online/distance education class per semester. Please contact the International Student Office at 713-718-8520 if you have additional questions about your visa status.

STUDENTS WITH DISABILITIES:

"Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc) who needs to arrange reasonable accommodations must contact the appropriate HCC Disability Support Service (DSS) Counselor at the beginning of each semester. Faculty is authorized to provide only the accommodations requested by the

Disability Support Services Office.

Students who are requesting special testing accommodations must first contact the appropriate (most convenient) DSS office for assistance:

System: 713.718.5165

Central: 713.718.6164 – also for Deaf and Hard of Hearing Services and Students Outside of the HCC District service areas.

Northwest: 713.718.5422

Northeast: 713.718.8420

Southeast: 713.718.7218

Southwest: 713.718.7909

After student accommodation letters have been approved by the DSS office and submitted to DE Counseling for processing, students will receive an email confirmation informing them of the Instructional Support Specialist assigned to their professor.

NOTICE FOR STUDENTS WHO LIVE OUTSIDE OF HOUSTON:

Students who live or work outside the Houston area and cannot take paper exams at one of our HCC testing locations MUST make arrangements for a proctor. Please see the DE Student Services Additional Resources webpage for more information.

<http://de.hccs.edu/portal/site/de/menuitem.2e0a9b61f5a0dfa9759b8e10507401ca/?vgnextoid=e84694ae69bca110VgnVCM2000001b4710acRCD&vgnnextchannel=a4f338b7ab6ba110VgnVCM2000001b4710acRCD&vgnnextfmt=default>

VIRTUAL CLASSROOM CONDUCT:

As with on-campus classes, all students in HCC Distance Education courses are required to follow all HCC Policies & Procedures, the Student Code of Conduct, the Student Handbook, and relevant sections of the Texas Education Code when interacting and communicating in a virtual classroom with faculty and fellow students. Students who violate these policies and guidelines will be subject to disciplinary action that could include denial of access to course-related email, discussion groups, and chat rooms or being removed from the class.

Instructor Participation: I will normally enter the course via Eagle on line every business day (Monday thru Friday unless it's a Holiday), however for a variety of reasons (sick, out of town, computer broken, internet connection not working, etc.) I may not enter the course on a given day. Often I will enter the course more than once on a business day. I will usually enter the course on Saturday morning, but not always. Sometimes, I will enter the course on Sunday. Thus, it might appear that you have 24/7 instructor response and you could wrongfully expect immediate response to all your needs. I will try to respond quickly and you should normally have a response within 2 business days, so don't panic if you don't get a response in 30 minutes.

I will normally grade any lab assignments and quizzes requiring my involvement each Saturday.

On-line exams will normally be graded by the day after the window of availability is closed. However, on-campus exams (the final exam) will normally take 7 to 10 days after the window of availability to be graded because I will need to physically pick up the exams from the Distance Education Department after they have done their processing (usually 2 days).

I will read all Eagles on line "Mail" every time I enter the course and normally will respond that same day. Once in a while a student's question requires a couple of days for me to research his question to allow me to formulate a good (correct) response.

Final Grade: Your final grade will be posted within your Eagle on line course; however official grades are provided to students by the Registrar and are available shortly after the end of the semester. There is no other official method of posting a student's final grade. Final grades will not be given over the telephone by either the professor or any HCCS employee. If you need an official transcript see the registrar and request a transcript be sent after posting of the grades for the semester.

During the course, your progress (quiz, lab and exams scores) will be reported to you via our "Grades" feature within Eagle on line. You should check this regularly to confirm your progress in the course is current.

Telephone and Email Address: Make sure that your address is correct on your student ID card and that the system has your correct telephone and email information.

Text book:

There will be two purchasing options. HCC bookstore and the direct-to-student URL that was set up specifically for HCC. These books are custom books specifically designed for HCC and are heavily discounted.

The bundle for 1436/1437/2436 will be available both at bookstore and on the site. The larger book is the best purchase option for those students thinking of taking all 3 courses. It is marginally more expensive than the smaller text. The access code included in both bundles is mandatory and must be activated within first two weeks of class period. The Links are:

www.cengagebrain.com/micro/customHCCOSC1436/1437/2436

Or

<http://www.cengagebrain.com/shop/en/US/storefront/US?cmd=DisplayLandingPage&id=43891&cid=M SCE498&entityNumber=196745>

Examinations & Final Grade Determination:

- 100 Points (8 Assignments & participation)
- 150 Points Exam 1, & 2 (taken on-line test 1 has programming part 30 points)
- 250 Quizzes (8 Quizzes taken on-line- 2 chances for each quiz, highest grade will be recorded)
- 300 points Final Exam (**taken on-campus, You must take Final exam in person at school the day of final exam, with at least 60% to pass the course , regardless of your grade and performance prior to final exam**)

Based on the points above a final grade will be calculated and awarded as follows:

A –	720 - 800 Points
B -	640 – 719 Points
C -	560 – 639 Points
D -	480 – 559 Points
F -	000 – 479 Points

One special note:

Failing the final will cause you to fail the course regardless of what your grades have earned on the assignments, quizzes and other exams.

If you do not pass the final, I assume you have not truly learned the materials in the course, thus you will fail the class.

The “Participation” portion of your grade will be determined by several factors, including (but not limited to):

- Entering the Eagle on line course regularly – at a minimum of every 3 days (twice a week).
- Answering all “Mail” every time you enter the course
- Reading new “Announcements” as they appear
- Reviewing new “Calendar” entries as they appear
- Reading all items posted to the “Discussions”
- Participating in “Discussions” as requested or appropriate
- Interacting with at least two email buddies – more information later in the course
- Using “Chat” rooms (which also have white boards) as needed
- Providing general information for the “Roster”
- Providing a picture for the “Roster” (optional)

The instructor has a feature called “Tracking” that shows your activity in the course by date and time. Do not try to bluff your way and lie about being seriously involved in learning course materials and have me look at the tracking and call your bluff. (See the bolded information about procrastinating within the next syllabus item.)

Course Organization: I have some supplement material as modules for you on eagle online. This material is just enforcement for you to learn the materials. These materials not necessarily match with your quizzes.

I like to add that, you will need to set for yourself a regular study schedule that should include between 12 to 15 hours per week. Remember this is a 3 lecture, 3 lab course that would normally meet on-campus for 6 hours of instructor contact per week. With an additional 1 to 1 ½ hours per week out of class for study for every hour in class (6 to 9 additional hours) your total hours of weekly participation in this course should be between 12 to 15 hours. Some of it spent on-line in Eagle on line and most spent doing reading, study and lab assignments (all of which can be done outside of Eagle on line). It is suggested that you have a regular schedule (set dates and times – 3 to 4 times a week) to both visit the Eagle on line course on-line and to study. **Procrastinating by not having a regular schedule of time to do an on-line Internet delivered Distance Education course is the number one cause of poor performance and thus of student withdrawal.**

If you run into difficulty, I can help you get back on track quickly. As with all good professors, I am concerned with having an appropriate student completion rate for any course that I teach. Overcoming problems helps to get more students to complete the course having learned the material well.

I gathers notes, and helpful material from many sources (books, online materials, etc..) I have developed different modules to help you understand the material in your text book, these materials are not required for you to read, and these are as reference material. I have link to the source on Eagle Online.

Deadlines: Lab assignments and quizzes for a learning group should to be completed before **the exam for that learning unit is available.**

Each lab assignment has its own due date and if submitted after the due date the grade will be reduced to 0 on that lab. Unless you have approved Department reason for missing that quiz.

Missed Exams: An exam missed either on-line or on-campus creates a serious problem. You must have A department approved reason to take the Exam or Quiz.

Schedule: The tentative schedule is outlined below. Any changes will be announced within the Eagle on line course.

NOTE: **All lab assignments have due date**, however *normally students should complete the lab assignment during the week before it is due*. Additionally, some of the due dates might fall on days when the college campus is closed (Spring Break, Easter and Thanksgiving) however, the internet connections to Eagle on line will normally be working and you will have access to the course for the submission of your assignments as well as taking quizzes, learning new materials, etc. You are in charge of your life and you should plan on completing materials and submitting them before the due dates to avoid any personal or religious conflicts that you might have with any of the due dates.

WEEK	TOPIC AND QUIZZES	ASSIGNMENTS AND QUIZZES DUE DATE
1	Programming Fundamentals I Chapters 1-3 (Basic C++)	<i>Provided on Moodle</i>
2	Programming Fundamentals I Chapters 4-6 (Selection , Repetition)	<i>Provided on Moodle</i>
3	Programming Fundamentals II Chapters 7-8 (Data types and Array)	<i>Provided on Moodle</i>
4	Programming Fundamentals II Chapters 9 (Records)	<i>Provided on Moodle</i>
TEST 1 COVERS CHAPTERS 1 - 9 (YOU MUST TAKE QUIZZES BEFORE YOU TAKE THE EXAM 1)		<i>Provided on Moodle</i>
5	Programming Fundamentals II Chapters 10 & 11 (Classes & Inheritance)	<i>Provided on Moodle</i>
6	Programming Fundamentals II Chapters 12 & 13 (pointers, Classes, Vir. Func.)	<i>Provided on Moodle</i>
7	Programming Fundamentals III Chapter 14 (Exception Handling) & 15 (Recursion)	<i>Provided on Moodle</i>
8	Programming Fundamentals III Chapter 15 (Recursion) & 16 (link List)	<i>Provided on Moodle</i>
TEST 2 COVERS CHAPTERS 1 - 14 (YOU MUST TAKE QUIZZES BEFORE YOU TAKE THE EXAM 2)		<i>Provided on Moodle</i>
9	Programming Fundamentals III Chapter 16 (link List)	<i>Provided on Moodle</i>
10	Programming Fundamentals III Chapter 17 (Stacks and Queues)	<i>Provided on Moodle</i>
11	Programming Fundamentals III Chapter 17 (Stacks and Queues)	<i>Provided on Moodle</i>
12	Programming Fundamentals III Chapter 18 (Search & Sort Algorithms)	<i>Provided on Moodle</i>
13	Programming Fundamentals III Chapter 19 (Binary Trees)	<i>Provided on Moodle</i>
14	Programming Fundamentals III Chapter 20 (Graphs) IF TIME PERMITS	<i>Provided on Moodle</i>
15	Course Project	<i>Provided on Moodle</i>
Final Exam at School , Spring Branch Campus ONLY Covers everything from module 1-20 On December 7th 2013 in Room 117		