** Course Name**

Instructor contact information

|  |  |  |  |
| --- | --- | --- | --- |
| **Instructor:** | Javad Ameri | **Office Phone:** |  |
|  | | | |
| **Office:** | Virtual | **Office Hours:** | By appointment |
| (or hours of availability) | |
| **E-mail:** | Javad.amerisianaki@lonestar.edu | **Response Time:** | **24 – 48 hours** |

Welcome to

|  |  |  |  |
| --- | --- | --- | --- |
| **Course Title:** | Programming Fundamentals I | **Term and Year:** | **Spring 2016** |
| **Course Subject:** | COSC 1336 |  |  |
| **Course Section:** | 6029 | **Class Days & Times:** | 100% online |
| **Credit Hours:** | 3 |  |  |
| **Lecture Hours:** | 2 / WK | **Class Room Location:** | Virtual |
| **Lab Hours:** | 3 / WK |  |  |
| **Total Contact Hours:**  **(All hrs. x 16)** | 80 |  |  |

|  |  |
| --- | --- |
|  |  |

Course overview

This syllabus is current as of the date at the bottom of the page, but subject to change. Updates, if any, will be distributed via the D2L Learning Management System.

**COURSE OVERVIEW**

This is an online course. Instruction will be given in online readings and videos, as well as the assigned textbook. Assignments will include online quizzes, participating in online discussions, submitting programs, projects, and exams.

*Note: Final* Exams is taken at one of the Testing Centers on a Lone Star College campus. If a student will use a campus other than University Park, the student must provide the instructor with that location 2 weeks before the exam. Students requiring an alternate testing center must provide its website and contact information no later than 3 weeks prior to the exam.

**CATALOG DESCRIPTION:**

Introduces the fundamental concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. (1102015507) Prerequisite: College Level Readiness in Reading AND Writing; MATH 0310 .

**GETTING READY**

**REQUIRED MATERIALS:**

 Computer system: Students must have access to a personal computer running a recent version of Windows (7 or later), or Mac with recent version of OSX, capable of installing the Java Development Kit (JDK) version 8, a syntax-highlighting text editor (e.g., Notepad++ for Windows, TextMate for OSX), and the recommended Integrated Development Environment (Eclipse IDE) used in the second half of this course. This computer must be highly available, and easily/quickly restorable in the case of a system failure. Highly available access to the Internet and Lonestar College’s D2L Learning Management System (LMS) is required for this course.

 This course cannot be completed on a public computer, i.e., one which the student does not have administrator access for installing software.

 Because this is an online, technical class, students are expected to maintain their computer system, keep it free of malware and backed up so as to be accessible for the duration of the class.

 Textbook: *Starting Out with Java from Control Structures through Data Structures 3rd Edition*

o Author: Tony Gaddis, Godfrey Muganda

o ISBN 13: 978-0-321-54586-2

o The e-book is available at CENGAGE Learning (www.coursesmart.com)

Download :

free Jeliot software to do programming practices.

The following link is for Jeliot download:

<http://cs.joensuu.fi/jeliot/>

If you are using MS Windows operating system, you must click on the the following link:

<https://cs.joensuu.fi/jeliot/downloads/jeliot372.php>

select the following link:



**INSTRUCTOR GUIDELINES AND POLICIES**

**ATTENDANCE**

Regular attendance is expected in order for students to successfully complete the course objectives. *For an online class, attendance is measured by student log-ins, discussion participation, assignment and quiz completion.*

**CIVILITY STATEMENT**

Members of the Lone Star College, which includes faculty, staff, and students, are expected to act honestly and responsibly in all aspects of campus life. Lone Star College holds all members accountable for their actions and words. Therefore, all members should commit themselves to behave in a manner that recognizes personal respect, and demonstrates concern for personal dignity, rights, and freedom of every member of the College community, including respect for the College property and the physical and intellectual property of others.

**ONLINE INTERACTIONS**

While the majority of this class will be independent work by the individual students, there will be some use of online discussion boards where students can respond to postings of classmates. The discussion forums associated with this course are the *classroom* and the expections for civil discourse and respect are the same there as in face-to-face classroom interactions.

**ASSIGNMENTS**

All assignments are to be completed and submitted to the instructor by the scheduled due date. Assignments will be submitted electronically through D2L. Assignments are part of the total grade.

**Quizzes:** Each chapter’s lecture/reading will have a quiz the assess learning of the concepts covered. Questions in the quizzes are selected at random from a test bank so taking the quizzes multiple times is recommended to cover the topics thoroughly. (Only the best result of all attempts is recorded for the quiz result.)

**PROGRAMMING SAMPLES AND PROJECTS**

Each chapter of the textbook will have at least one programming exercise required. These will become progressively more difficult as the course progresses.

**EXAMS**

A mid-term and final exam will each cover approximately ½ of the reading materials and samples from the textbooks and any assigned, external readings. (Exam questions are drawn from the same test bank as all assigned quizzes.)

**GRADING**

All assignments are to be completed and submitted to the instructor on the scheduled due date. No grade (0) for incomplete assignments. Assignment grades will be returned within a 3-5 day period.

STUDENTS ARE RESPONSIBLE FOR REVIEWING THEIR GRADES IN D2L ON A WEEKLY BASIS. PROBLEMS WITH GRADES MUST BE REPORTED WITHIN ONE WEEK OF THEIR POSTING.

**LATE WORK**

Assignments are graded 50% one day after the due date, and zero following that. Late (missed) exams are not accepted and graded as a zero, unless prior notice has been given

**NON-ORIGINAL WORK**

Any student submitting another person’s work will receive a zero for that assignment. If the work was done by another student in the same class, that student will also receive a zero.

**MAKE-UP EXAMS**

Students should contact the instructor **prior** to missing a scheduled examination by phone, in-person, by e-mail, or by voice mail. An opportunity to take a makeup examination will be offered to those who make prior contact with the instructor. All make-up exams will be administered in the LSC-University Park Assessment Center. Exceptions will require contacting the department chair to override this policy.

**Department/Division Contact: :**

Department Chair : Gina Sprowl, [Gina.m.sprowl@lonestar.edu](mailto:Gina.m.sprowl@lonestar.edu) 281-290-3755

Dean of Instruction : Steven Kahla [Steven.C.Kahla@lonestar.edu](mailto:Steven.C.Kahla@lonestar.edu) 281-655-3788

**Grade Determination:**

|  |  |  |
| --- | --- | --- |
| **Your grade will be determined by the following** | **Points** | **Percent of Final Average** |
| Quizzes | 20 | 20% |
| Programming Exercises | 25 | 25% |
| End of chapter short answers and algorithm benchmarks | 25 | 25% |
| Exams | 30 | 30% |
| Total | 100 | 100% |

**Letter Grade Assignment:**

|  |  |
| --- | --- |
| Letter Grade | **Final Average in Percent** |
| A | 89.5 – 100 |
| B | 79.5 – 89.4 |
| C | 69.5 – 79.4 |
| D | 59.5 – 69.4 |
| F | < 59.5 |

**Withdrawal Policy**

Withdrawal from the course after the official day of record and prior to “W” Day, (see current catalog for this date) will result in a final grade of “W” on your transcript. Instructor approval is necessary if you want to withdraw after official day. No credit will be awarded for a course earning a “W.” If you stop attending class, you must withdraw at the registration office prior to “W” day. If you stop attending class and do not officially withdraw, you will receive an “F” for the course. The instructor retains the right to request a student drop for non-attendance pending advising and enrollment approval. It is not guaranteed that a student will be dropped for non-attendance.

**Six Drop Rule**

Students who enrolled in Texas public institutions of higher education as first-time college students during the Fall 2007 term or later are subject to section 51.907 of the Texas Education Code, which states that an institution of higher education may not permit a student to drop (withdraw with a grade of “W”) from more than six courses, including courses that a transfer student has previously dropped at other Texas public institutions of higher education that have already been counted against their six drop limit.   Each student should fully understand this drop limit before you drop any course. Please see a Counselor or Advisor in our Student Services area for additional information and assistance. **This policy does not affect developmental or ESOL students.**

Tentative Instructional Outline:

| **Week Number** | **Activities and Assignment** | Objectives and Details |
| --- | --- | --- |
| 1  FEB  1- 7 | Chapter 1: | An overview of computers and programming |
| Activities:   * Chapter reading * Review Questions and Exercises * Provide answers for short answer at the end of chapter |  |
| 2 - 3  FEB  8 – 14  15 - 21 | Chapter 2: | ELEMENTS OF HIGH-QUALITY PROGRMS |
| Activities:   * Provide answer to Review questions and Excercises * Provide answers for Algorithm Workbench * Provide answers for short answer at the end of chapter * Write selected programs for Programming Challenges |  |
| 4 - 5  feb  15-21,  22-28 | Chapter 3 | decision structure |
| * Provide answer to Review questions and Excercises * Provide answers for Algorithm Workbench * Write selected programs for Programming Challenges |  |
| 6 - 7  feb 29 – mar 6  mar 7 –mar 13 | Chapter 4 | loops and files |
| * Provide answer to Review questions and Excercises (1 – 21) * Provide answers for Algorithm Workbench(1 – 14) * Write selected programs for Programming Challenges |  |
| 8  mar 14 – mar 20 | Spring break |  |
| 9 - 10  mar 14-mar 20,  mar 21 - mar 27 | Chapter 5 | methods |
| * Provide answer to Review questions and Excercises * Provide answers for Algorithm Workbench * Write selected programs for Programming Challenges   Chapter 6 | * introduction to methods * passing arguments to a method * local variables * returning a value from a method * common errors to avoid |
| 11 - 12  mar 28 – apr 3  apr 4 – apr 12 | * Provide answer to Review questions and Excercises * Provide answers for Algorithm Workbench * Write selected programs for Programming Challenges | * Classes and Objects * Instance fields and methods * Scope of instance fields * Overloading methods and constructors * Common errors to avoid |
| 13 - 15    apr 11 – 17  apr 18 – 24  apr 25 – may 1 | Chapter 8 | arrays and the arraylist class |
| * Provide answer to Review questions and Excercises * Provide answers for Algorithm Workbench * Write selected programs for Programming Challenges | * introduction to arrays * processing array elements * passing arrays as arguments to methods * returning arrays from methods * string arrays * the sequential search * two-dimensional array * the arraylist class * common errors to avoid |
| 16  may 2 – 8 | Final week  Final exam |  |

**Lone Star College-University Park Learning Center is committed to your success**

**Your success is our primary concern!** If you are experiencing challenges achieving your academic goals, please contact your instructor or an advisor. We can provide assistance with academic needs, ADA accommodations, classroom difficulties, financial concerns, and other issues.

**Tutoring: For all disciplines, please call 281.401.5388 for information on hours and location.** The tutoring

lab, reading/writing lab, and math lab can be found within the Learning Center in building 12, 8th

floor.

**Counseling Services :** Counseling services are available to students who are experiencing difficulty with

academic issues, selection of college major, career planning, disability

accommodations, or personal issues. Students may contact Counseling, Career,

and Disability Services at 281.401.5311, or in building 13 Suite 260.

**The Assistive Technology Lab:**  The Assistive Technology Lab is available for students who benefit from its

various technologies to convert text to speech, magnify items, convert text

to Braille, etc. For further information, please contact the Learning Center

in building 12, 8th floor.

**Writing Lab:** Having strong writing skills helps students become successful not only in their academic lives,

But also in their professional and personal lives.  With this goal in mind, the University Park

Writing Center, located in the Student Learning Center, provides tutoring and additional

services to help students strengthen their writing skills.  Students enrolled in any course that

requires any type of writing can get individualized help at the Writing Center.

**Library:** The Lone Star College-University Park Library is located in building 12, 8th floor and contains

information resources for both college students and community members. Librarians are available to

assist with research. To contact a reference librarian, [uplibrary-ref@lonestar.edu](mailto:uplibrary-ref@lonestar.edu).

For Library hours and contact information, please visit <http://www.lonestar.edu/library> . 

**Lone Star College-University Park Campus and System Policies**

**Academic Integrity**

The Lone Star College System upholds the core values of learning: honesty, respect, fairness, and accountability. The system promotes the importance of personal and academic honesty. The system embraces the belief that all learners – students, faculty, staff and administrators – will act with integrity and honesty and must produce their own work and give appropriate credit to the work of others. Fabrication of sources, cheating, or unauthorized collaboration is not permitted on any work submitted within the system.

The consequences for academic dishonesty are determined by the professor, or the professor and academic dean, or the professor and chief student services officer and can include but are not limited to:

1. Having additional class requirements imposed,
2. Receiving a grade of zero or “F” for an exam or assignment,
3. Receiving a grade of “F” for the course,
4. Being withdrawn from the course or program,
5. Being expelled from the college system.

**Student Behavior Expectations**

Students are expected to conduct themselves appropriately while on College property or in an online environment. Students may receive disciplinary actionup to and including suspension, if they violate System or College rules, disrupt classes, or interfere with the opportunity of others to obtain an education. Students who pose a threat to the safety of others will be subject to immediate withdrawal from the classroom,campus environment, and/or online environment, as well as face subsequent criminal charges, as appropriate. Please refer to the Student Code of Conduct located online at <http://www.lonestar.edu/student-responsibilities.htm> for additional information.

**Americans with Disabilities Act Statement**

Lone Star College-University Park is dedicated to providing the least restrictive environment for all students. We promote equity in academic access through the implementation of reasonable accommodations as required by the Vocational Rehabilitation Act of 1973, Title V, Section 504 and the Americans with Disabilities Act of 1990 (ADA) which will enable students with disabilities to participate in and benefit from all post-secondary educational activities.

Disability Services is located on the LSC University Park campus in building 13, Suite 200. You may contact Disability Services at the following number: 281.401.5370. Additional information may be accessed online at the following URL: <http://www.lonestar.edu/disability-services.htm>

**Campus Safety and Security**

Lone Star College System is committed to maintaining the safety of the students, faculty, staff, and guests while visiting one of our campuses.  See <http://www.lonestar.edu/safety-nh.htm> for details.

Register at <http://www.lonestar.edu/12803.htm> to receive emergency notifications. In the event of an emergency, contact the police at 5911.

**Computer Virus Protection**

Computer viruses are, unfortunately, a fact of life. Using flash drives on more than one computer creates the possibility of infecting additional computers and flash drives with computer viruses. This exposes college computers, personal computers, and any other computers to potentially damaging viruses. The college has aggressive anti-virus procedures in place to protect its computers, but cannot guarantee that a virus might not temporarily infect one of its machines. It is your responsibility to protect all computers under your control and use and ensure that each flash drive you use, wherever you use it, has been scanned with anti-virus software.

**Equal Opportunity Statement**

It is the policy of the Lone Star College System to provide equal employment, admission and educational opportunities without regard to race, color, creed, national origin, gender, age, veteran's status, sexual orientation, or disability.

Lone Star Colleges strive to provide an excellent learning environment free from harassment or intimidation directed at any person’s race, color, creed, national origin, gender, age, veteran's status, sexual orientation, or disability. Any form of harassment will not be tolerated.

**FERPA**

The academic, financial, and non-directory information on your student account is confidential and protected by the Family Educational Rights & Privacy Act (FERPA). LSCS cannot release certain information to another person without your written authorization. The Authorization to Release Student Information Form can be found at <http://www.lonestar.edu/departments/admissions/ARC-011_FERPA_Privacy_Request.pdf>.

**Internet and E-mail**

LSCS provides computing and network resources. You are encouraged to use the computers, software packages, and electronic mail (e-mail) for educational or System-related activities and to facilitate the efficient exchange of useful information. The equipment, software, and network capacities provided through the district computer services are the property of the System. Use of the equipment and networks is to comport with the policies and procedures of the System and access may be denied to any student who fails to comply with the System’s policies and procedures regarding its use.

Access to the System’s e-mail and similar electronic communications systems are a privilege and certain responsibilities accompany that privilege. All users are expected to demonstrate the same level of ethical and professional manner, as is required in face-to-face or written communications. Threatening, anonymous, or forged messages will be treated as a violation of this policy.

**Software Piracy**

Law strictly prohibits unauthorized copying of software purchased by Lone Star College-University Park for use in laboratories. Lone Star College-University Park administration will take appropriate disciplinary action against anyone violating copyright laws.

**Evaluation of Instruction**

Lone Star College-University Park is committed to student success. As part of its’ institutional effectiveness efforts, our instructors are assessed in several ways. For the continuous improvement of our instruction, all students are required to provide input for each course they take each semester using the Course Evaluations Questionnaire, which can be accessed online for each course. This occurs approximately half way through your course and your instructor will provide you more information on this process. Once you evaluate your course, print and turn in the receipt of completion to your instructor. The college deans review these evaluations each semester. The deans and/or department chairs may visit each instructor’s class at some time during the semester to observe the instructional environment being provided and complete an assessment of the instructor.

**Attendance**

Students who have not attended class by the Official Day of Record,2/10/2016, will be administratively withdrawn from the class, no exceptions.

**Early Alert**

Early Alert is a student success effort designed to help students reach their full educational potential and successfully complete their classes.  By requesting Early Alert for a student, a faculty member sends a message to the advising/counseling team, who will then contact the student and schedule a meeting to discuss support options. Students may be referred to Early Alert for many reasons, including poor academic performance, lack of basic study skills, attendance, persistent tardiness, and personal or financial issues that interfere with class performance