

## **CSE 1105: Introduction to Computer Science Spring 2015**

**Instructor:** Dr. Eric Becker

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**Faculty Profile:** <https://www.uta.edu/profiles/eric-becker>

**Office Hours:** Tuesday 3:30-4:50 pm, Thursday 12:30-1:50 pm

**Section Information:** CSE 1105-002

**Time and Place of Class Meetings:** NH 106, Tuesday, 11:00 am

**Description of Course Content:** Introduction to basic engineering concepts. Opportunities are provided to develop skills in oral and written communication, and department-specific material. Case studies are presented and analyzed. Co-Requisite: CSE 1104.

### **Student Learning Outcomes:**

- Becoming acquainted with the Computer Science and Engineering Department
- Becoming aware of the requirements needed to pursue a degree
- Introduction to student organizations
- An introduction to the history of Computer Science
- Exposure to case studies about Computer Science

### **Required Textbooks and Other Course Materials:**

Required Textbooks: None

Additional Material: The Gift of Fire, 4<sup>th</sup> Edition, Sara Baase, ISBN 0-13-249267-9

### **Descriptions of major assignments and examinations:**

Since this is an introduction course, most of the material will be one-week assignments based on the topicality of the subject. Students can expect an exam near the end of the semester, currently scheduled for Tuesday, April 28, 2015

**Attendance:** Dr. Becker has decided that attendance is mandatory and will affect your grade. Attendance will be taken at the beginning of each class. After the roll is closed, it is closed. Students will not be put on the roll after closing has been called. If a student has a problem attending class due to work, a long walk from the far side of the campus, or similar, see the instructor at the beginning of the semester.

### **Grading:**

- Attendance: 15% of the grade
- Homework Average: 70% of the grade
- Exam: 15% of the Grade

**Make-up Exams:** If a student cannot make the exam, and informs the instructor a week before the exam, a make-up exam will be scheduled. If a student cannot make the exam, and does not inform the instructor before the exam, the student must bring adequate documentation of why they did not attend. (such as a doctor's note) and then a make-up exam will be scheduled. A dental appointment or other non-emergency health situation is **not** an acceptable excuse for missing an examination you know about in advance. If the exam is not taken, the score will be a zero.

**Grade Grievances:** If a student believes an error has been made in the grading of an assignment, the student has **one week after an assignment is returned** to resubmit an assignment for re-grading if they believe there is an error. *Papers will not be re-graded in the classroom!*

#### **Late Policy**

No late policy exists this semester. Assignments are due at the time they are due. Assignments will not be accepted after the due date.

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**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. For more information, contact the Office of Financial Aid and Scholarships (<http://wwwb.uta.edu/aao/fao/>).

**Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Title IX:** The University of Texas at Arlington is committed to upholding U.S. Federal Law "Title IX" such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).

**Academic Integrity:** Students enrolled all UT Arlington courses are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.

**Electronic Communication:** UT Arlington has adopted MavMail as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. All students are assigned a MavMail account and are responsible for checking the inbox regularly. There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>.

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as “lecture,” “seminar,” or “laboratory” shall be directed to complete an online Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student’s feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington’s effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**Final Review Week:** A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week *unless specified in the class syllabus*. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. During this week, classes are held as scheduled. In addition, instructors are not required to limit content to topics that have been previously covered; they may introduce new concepts as appropriate.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the exits, which are located on the east, west, and south sides of the building. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist individuals with disabilities.

**Student Support Services:** UT Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**Writing Center.** : The Writing Center, 411 Central Library, offers individual 40 minute sessions to review assignments, *Quick Hits* (5-10 minute quick answers to questions), and workshops on grammar and specific writing projects. Visit <https://uta.mywconline.com/> to register and make appointments. For hours, information about the writing workshops we offer, scheduling a classroom visit, and descriptions of the services we offer undergraduates, graduate students, and faculty members, please visit our website at [www.uta.edu/owl/](http://www.uta.edu/owl/).

**Librarians to Contact:**

Sylvia George-Williams	817-272-7519	<a href="mailto:sylvia@uta.edu">sylvia@uta.edu</a>
Clarke Iakovakis	817-272-5152	<a href="mailto:clarke@uta.edu">clarke@uta.edu</a>

**Course Schedule** -As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. –Eric W Becker.

Date	Day	Topic
19-Jan-15	Monday	MARTIN LUTHER KING DAY
20-Jan-15	Tuesday	FIRST DAY OF CLASSES
20-Jan-15	Tuesday	Question and Answer
27-Jan-15	Tuesday	The Syllabus and Blackboard
3-Feb-15	Tuesday	Ethics
4-Feb-15	Wednesday	CENSUS DATE
10-Feb-15	Tuesday	CSE Departmental Degree Plans
17-Feb-15	Tuesday	Computer Science
24-Feb-15	Tuesday	Computer Engineering
3-Mar-15	Tuesday	Software Engineering
10-Mar-15	Tuesday	SPRING BREAK
17-Mar-15	Tuesday	Computer Games!
24-Mar-15	Tuesday	Student Organizations
31-Mar-15	Tuesday	Pioneers in Computer Science and Engineering
3-Apr-15	Friday	LAST DAY TO DROP CLASSES
7-Apr-15	Tuesday	Case Studies: What Went Wrong
14-Apr-15	Tuesday	Truth and Logic
21-Apr-15	Tuesday	Review for Exam
28-Apr-15	Tuesday	Exam
5-May-15	Tuesday	The Future
8-May-15	Friday	LAST DAY OF CLASSES

**Emergency Phone Numbers:** In case of an on-campus emergency, call the UT Arlington Police Department at **817-272-3003** (non-campus phone), **2-3003** (campus phone). You may also dial 911.

Faculty members should feel free to incorporate any of the following information into your course syllabus or other course materials.

Library Home Page ..... <http://www.uta.edu/library>  
 Subject Guides ..... <http://libguides.uta.edu>  
 Subject Librarians..... <http://www.uta.edu/library/help/subject-librarians.php>  
 Database List ..... <http://www.uta.edu/library/databases/index.php>  
 Course Reserves..... <http://pulse.uta.edu/vwebv/enterCourseReserve.do>  
 Library Tutorials ..... <http://www.uta.edu/library/help/tutorials.php>  
 Connecting from Off- Campus ..... <http://libguides.uta.edu/offcampus>  
 Ask A Librarian ..... <http://ask.uta.edu>

The following URL houses a page where we have gathered many commonly used resources needed by students in online courses: <http://www.uta.edu/library/services/distance.php>.

The subject librarian for your area can work with you to build a customized course page to support your class if you wish. For examples, visit <http://libguides.uta.edu/os> and <http://libguides.uta.edu/pols2311fm> . If you have any questions, please feel free to contact Suzanne Beckett, at [sbeckett@uta.edu](mailto:sbeckett@uta.edu) or at 817.272.0923.

## **Additional Grading Information**

### **Grading Criteria from CSE 1105**

For submitting assignments for this class, and all others that you will take in your college career, plagiarism is not allowed. When an assignment asks for a paragraph about a topic, for example one about Gantt charts, your grader is looking for you to have read a required number of sources, or more, about the topic and to then use your own language to explain the topic. Directly copying another's work, whether from a website or a book, shows extreme lack of effort. Copying another's language and then changing a few words or phrasings is also an indication of a lack of effort. Our grading policy for this is as follows:

#### **EXAMPLES**

##### **Extreme lack of effort (direct copying): -25 points**

A Gantt chart is a type of bar chart, developed by Henry Gantt in the 1910s, that illustrates a project schedule. Gantt charts illustrate the start and finish dates of the terminal elements and summary elements of a project. Terminal elements and summary elements comprise the work breakdown structure of the project. Some Gantt charts also show the dependency (i.e. precedence network) relationships between activities. Gantt charts can be used to show current schedule status using percent-complete shadings and a vertical "TODAY" line as shown here.[1]

[1] "Gantt chart - Wikipedia, the free encyclopedia." [Online]. Available: [http://en.wikipedia.org/wiki/Gant\\_chart](http://en.wikipedia.org/wiki/Gant_chart). [Accessed: 09-Oct-2013].

##### **Lack of effort (copying with modifications): -15 points**

A Gantt chart is a type of bar chart, that was developed by Henry Gantt in the 1910s, and illustrates a project schedule. They illustrate the start and finish dates of the terminal elements and summary elements of a project. Some Gantt charts also show the dependency relationships between activities. Gantt charts can be used to show current schedule status using percent-complete shadings and a vertical "TODAY" line.[1]

[1] "Gantt chart - Wikipedia, the free encyclopedia." [Online]. Available: [http://en.wikipedia.org/wiki/Gant\\_chart](http://en.wikipedia.org/wiki/Gant_chart). [Accessed: 09-Oct-2013].

##### **Good Job (putting it in your own words): -0 points**

Henry Gantt developed a special type of chart, which has been called a Gantt chart, in order to better show the schedule of a project. These charts are effective because they not only show the start and finish dates of elements in a project but also show when there is dependency between any two activities. While this tool is useful for showing how a project will happen before it starts, by adding a line indicating "today" the chart can also depict how the schedule is currently progressing to help managers and employees make decisions about priorities. [1]

[1] "Gantt chart - Wikipedia, the free encyclopedia." [Online]. Available: [http://en.wikipedia.org/wiki/Gant\\_chart](http://en.wikipedia.org/wiki/Gant_chart). [Accessed: 09-Oct-2013].