

# SYLLABUS: ITSE 1350 - Systems Analysis and Design

## Instructor Contact Information

**Name:** Bruce Caraway

**Email:** [bruce.caraway@lonestar.edu](mailto:bruce.caraway@lonestar.edu)

**Website:** [carawayclass.com](http://carawayclass.com)

**Phone:** 832-465-6061

Campus Map: [Lone Star College - University Park](#)

## Virtual Office Hours:

Contact me via Slack...

## Course Info

**Course Number:** ITSE 1350

**Course Title:** Systems Analysis and Design

**Term and Year:** Spring 2020 8W1

**Course Dates:** March 8 - May 10, 2020

**Course Section(s):** 6003/4

**Class Days & Times:** ONLINE

**Credit Hours:** 3 (Lecture hrs: 2 | Lab hrs: 3)

**Total Contact Hours** 80

## Course Description

Comprehensive introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools.

# Syllabus Fast Facts

- Our slack.com class team site is the best way to reach your instructor. Be sure to register for access as soon as you receive the invitation email from me.
- Check the slack site for our weekly Learning Activities and Assignments. This information will also be posted in D2L.
- For emails received between Monday and Friday noon, I will reply by 5pm, the following day. For emails received between Friday noon and Sunday or on holidays, I will reply by 5pm, the following Monday.
- Call OTS (832-813-6600) for technical issues with D2L or your student email.
- For technical issues with MindTap, create a ticket with Cengage technical support (<http://support.cengage.com>)
- Work is to be submitted by the Due Date. Late work may be declined or subject to penalty. Technical issues with your personal computer or Internet access do not exempt you from turning your assignments in on-time.

## Student Learning Outcomes

Generally, students completing this course will be able to:

1. Compare and contrast project management tools.
2. Develop a prototype.
3. Develop documentation for the system life cycle.
4. Identify phases of the system design life cycle.
5. Use system design tools.

## Prerequisites

- College Level Readiness in Reading AND Writing, ITSE 1302 and one programming language.
- MATH 0308.

## Required Materials

To be successful in this class, the student must:

- Have access to a computer with internet access
- Have a license to access the MindTap version of our course. You may purchase access directly from Cengage by visiting:

## Assignments

Assignments are due according to the schedule posted in slack.com and Brightspace. Students are responsible for meeting assignment due dates.

## Grade Determination

Evaluation will be based on the following grade components:

Grade Type	Percentage
Unit Tests	60%
Projects	30%
Final Exam	10%
<b>TOTAL</b>	<b>100%</b>

Letter Grade Assignment:

Final Percentage Earned	Letter Grade
90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

## Tentative Course Outline

Week	Topics & Assignments
1	Unit 1 - Introduction to Systems Analysis and Design Unit 2 - Analyzing the Business Case
2	Unit 3 - Managing Systems Projects Unit 4 - Requirements Modeling
3	Unit 5 - Data and Process Modeling Unit 6 - Object Modeling
4	Unit 7 - Development Strategies Project 1
5	Unit 8 - User Interface Design Unit 9 - Data Design
6	Unit 10 - System Architecture Unit 11 - Managing Systems Implementation
7	Unit 12 - Managing Systems Support and Security Project 2
8	FINALS

## Department/Division Contact

If you have any issues in our classroom, the course content or with me, I would ask that you first address the issue directly with me. If you feel that the issue remains unresolved even after speaking with me, you may contact the following individuals to whom I report.

- Dept. Chair: Gary Tucker | [281-290-2957](tel:281-290-2957) | [gary.d.tucker@lonestar.edu](mailto:gary.d.tucker@lonestar.edu)
- Dean: Steven Kahla | [281-655-3788](tel:281-655-3788) | [steven.c.kahla@lonestar.edu](mailto:steven.c.kahla@lonestar.edu)

## Instructor Guidelines and Policies

### Communication

We will use [Slack.com](https://slack.com) for most student-to-professor and student-to-student communication. Slack is an on-line communication tool that allows team members or students in a class to stay in contact with each other.

With Slack, you can hold a direct conversation with your instructor, share an idea with one of your classmates, or enter into a discussion with a group of your classmates.

I will email you an invitation to our Slack class site, during the first week of class. This will include everything you will need to know in order to join and participate in our Slack class.

### Emailing Your Instructor

Slack is always your best choice in communicating with me, but there may be instances where you wish to email me. If you choose to use email, be sure to include your name, course name, and course number in the email. If you do not fully identify yourself and course info, I will likely not reply. Keep the body of your message brief, and to-the-point. Here is an example of a good email:

*Professor Caraway:*

*I am Angela Ford from your BCIS 1305 (Business Computer Apps) class, and I have a question about this week's assignment. I thought that we needed to complete both sections, am I correct? Can you please help me?*

*Angela Ford*

## Office Visits

I currently live several hours from Houston so I only visit campus several times during the semester. Once our semester begins, I will let you know the days that I plan to be on campus if you wish to meet face-to-face with me.

Please know that I am always happy to set up a “virtual” meeting using WebEx or a phone call - just contact me via Slack to schedule a session.

## Attendance

We do not formally meet during the week so no attendance is taken. I do reserve the right to assign tasks that may require your participation in on-line Slack discussion channels. It is your responsibility to keep up with the material and to check in for updates, assignment due dates, and potential schedule changes.

Should you anticipate that you will not be able to log on and participate in class for an extended period (72 hours), please notify me in advance. Not logging in to the on-line class at a regular interval will significantly impact your chance for success. **I will withdraw a student if they are not active in the course and do not respond to my Slack or email correspondence during a 7 day period.**

## Class Participation

The college classroom is a place for adult men and women to meet with a common purpose of improving their intellectual and academic skills. This applies to both face-to-face and on-line classes. When engaging your instructor and fellow students, you will be expected to treat everyone with

respect and in a professional manner. The use of profanity, derogatory terms, and threats in any class-related forum will not be tolerated. If a student violates this rule, they will be asked to leave the classroom (in a face-to-face section) or their access to the class will be blocked (in an on-line section).

The violating student will not be allowed to return to class or regain access until he or she arranges a conference with the instructor. It is the student's responsibility to arrange for this conference.

## 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.

## Non Attendance at Start of Semester

You must **log into our class** and **post to the #introductions Slack channel by to the Official Day of Record (ODR)**. Otherwise, you will be administratively withdrawn from the class, no exceptions. For Spring 2020, ODR is:

- Jan 27th for regular 16 Week classes
- Jan 21st for 8 Week Session 1 classes
- Mar 23rd for 8 Week Session 2 classes

Please make every effort to login and post to the Slack #introductions channel ASAP - don't delay.

## Withdrawal Policy

Withdrawal from the course after the Official Day of Record and prior to "W" Day will result in a final grade of "W" on your transcript. Instructor approval is necessary if you want to withdraw after the Official Day. No credit will be awarded for a course earning a "W." If you stop participating in the on-line class, you must withdraw at the registration office prior to "W" day. For Spring 2020, W Day is:

- Apr 1st for regular 16 Week classes
- Feb 21st for 8 Week Session 1 classes
- Apr 24th for 8 Week Session 2 classes

*If you stop attending class and do not officially withdraw, you **will receive an "F"** for the course.*

## Incompletes

An 'I' or Incomplete will be considered only in extreme cases of illness or emergency. An Incomplete will only be considered for those students who have completed at least 75% of the course material and have a passing average (70 or better) for those assignments that they have completed. Granting an Incomplete is fully at the discretion of your instructor.

A student who receives an "I" does not re-register for the course and must complete the course no later than the set due date not to exceed the end of the following fall or spring semester. The instructor must submit a signed "I" contract to the appropriate division; students will receive a copy of the contract following approval by the Dean or designee.

## 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.

## 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.*

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

## GradUP

The LSC-University Park community is here to support you and we encourage you to graduate! Many of you come to a community college because it provides an open door and it makes sense financially. What you may not realize is what attaining an associate's or workforce degree can do for you. Below are just some of the reasons why a degree is a positive move for your life and career:

1. You'll be eligible for more jobs.
1. You could have higher earning potential.
1. You can finish in two years or less.

1. You have options for career paths.
1. You can discover what you want from your academic program and career.
1. You can apply for additional scholarships.
7. Many of the colleges in Texas have articulation agreements with community colleges that allow you to receive full credit for the courses you have completed.
1. Your transfer acceptance is higher with an associate's degree.

If you have any questions or need guidance with your academic plan and graduation, please ask for assistance. There are resources, advisors, and additional materials available to you. Because your academic success is important, Lone Star College fosters and commits to a set of cultural beliefs.

## **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.

## **Academic Coaching (formerly Tutoring)**

Academic coaching is available through the Student Learning Resource Center (SLRC). Please visit [UP Tutoring Center](#) for information on hours and location.

## **Advising**

The Advising process is an integral part of your academic success. Academic advisors are available to assist you with a variety of academic services including admissions, testing, advising, registration, referral of campus and community resources, add/drop/withdrawal process, transfer planning and graduation processes. Please visit [Advising](#) for information on hours and location.

**Academic Calendar:** [www.lonestar.edu/academic-calendar](http://www.lonestar.edu/academic-calendar)

**Final Exam Schedule:** [www.lonestar.edu/examschedule.htm](http://www.lonestar.edu/examschedule.htm)

## **Counseling Services**

Counseling services are available to students who are experiencing difficulty with academic issues, selection of college major, career planning, or personal issues. Please visit [www.lonestar.edu/counseling-services.htm](http://www.lonestar.edu/counseling-services.htm) for information on hours and location.



# 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 visit [www.lonestar.edu/UP-AssistiveTech.htm](http://www.lonestar.edu/UP-AssistiveTech.htm) for information on hours and location.

## Student Learning Resource Center (SLRC)

The Lone Star College-University Park SLRC is located in Building 12, on the 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 email [uplibrary-ref@lonestar.edu](mailto:uplibrary-ref@lonestar.edu). For SLRC hours and contact information, please visit [www.lonestar.edu/UP-Library.htm](http://www.lonestar.edu/UP-Library.htm).

## Assessment Center

The Lone Star College-University Park Assessment Center is located in Building 13, Room 240. See link for all testing center hours: [www.lonestar.edu/testing-centers.htm](http://www.lonestar.edu/testing-centers.htm).

# 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 on-line environment. Students may receive disciplinary action up 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 on-line environment, as well as face subsequent criminal charges, as appropriate.

**Please refer to the Student Code of Conduct located on-line at [www.lonestar.edu/student-responsibilities.htm](http://www.lonestar.edu/student-responsibilities.htm) for additional information.**

## **Lone Star College Assistive Facilities**

Lone Star College is very committed to equal access in educational opportunities and provides assistance through disability services. Each main campus has an assistive technology lab to assist students with disabilities. These centers offer a wide range of educational technology tools, such as screen readers, for example, to assist students with their educational needs. Information specific to your campus' Assistive Services is located on-line at [www.lonestar.edu/19287.htm](http://www.lonestar.edu/19287.htm).

## **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**

If you are an individual with a disability and need classroom accommodations, please contact the Disability Services Office. Additional information may be accessed online at the [Disability Services web page](#).

## **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 [www.lonestar.edu/campus-safety.htm](http://www.lonestar.edu/campus-safety.htm) for details. Register at [www.lonestar.edu/LoneStarCollegeAlert.htm](http://www.lonestar.edu/LoneStarCollegeAlert.htm) to receive emergency notifications. In the event of an emergency, contact the police at 5911.

## Campus Carry

The Texas Legislature enacted campus carry by passing Senate Bill 11, effective at LSC on August 1, 2017. Senate Bill 11, known as the “Campus Carry” law, amends Texas law to allow license holders to carry concealed handguns on college campuses. To carry a concealed handgun on LSC campuses, an individual must have a valid License to Carry issued by the Texas Department of Public Safety.

LSC has established rules and regulations regarding enforcement of Campus Carry. Lone Star College prohibits concealed carry in some areas of LSC campuses. For more information about Campus Carry, visit the [LSC Campus Carry website](#).

## 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

Educational Records can be found at [www.lonestar.edu/departments/generalcounsel/OGC-S-2009-03-Authorization\\_To\\_Release\\_Educational\\_Records.pdf](http://www.lonestar.edu/departments/generalcounsel/OGC-S-2009-03-Authorization_To_Release_Educational_Records.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 on-line 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.