

CSC145 Object-Oriented Programming Syllabus - Fall 2020

ONLINE

Taught by: Dr. Marjan Trutschl (pronounced “maryan troochl”)

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Put “CSC145” in the Subject. Mislabeled email messages may get overlooked.

Office: Online

Phone: 318-797-5131

Research laboratory: TC-231

Office Hours

Please, see my office hours on a separate page.

You are strongly encouraged to “see me” during my office hours and/or to send me an email, if you have any questions/concerns. You may also make an appointment in case you need to meet with me outside my scheduled office hours. **Note that I have other work-related duties beyond teaching and may not be available outside my scheduled office hours (excluding appointments).**

Class Meetings

Online

Course Description

This course is a second part of an introduction to computer programming, that is, how to create computer software. The main thrust of the course is directed towards learning the fundamental tools in designing and implementing computer programs using the programming language Java. Additionally, this course is about the design, coding, testing, and documenting of programs in a specific high-level object-oriented programming language using techniques of good programming style. The programming concepts emphasized include data types, control structures, procedural abstraction, decomposition, encapsulation, inheritance, polymorphism, software reuse, and basic algorithms. While there is usually not a single right answer to any problem, there are definitely approaches that are better than others. Solving the problem as stated is a major part of each programming solution and establishing the best solutions will be stressed as well. This course will not focus on any specific operating system such as macOS, Linux, or Windows. However, work can be done using any of the above-mentioned operating systems using NetBeans. Three hours of lecture in a computer lab setting.

Course Prerequisite: CSC135 and knowledge of NetBeans integrated development environment. Transfer students must be familiar with using NetBeans and material covered in chapters 1-6. Let me know, if you have any questions.

Course Web Site

Check your grades at: <https://MOODLE.lsus.edu>

Most, if not all, course-related resources will be available through MOODLE. I will be communicating with you through the email address associated with your MOODLE account as mandated by the State of Louisiana. Please, make sure to check your LSUS email often - configure your favorite email client to download your LSUS email along with other email (see WWW for email and other information).

Access Information

To make things easier, I will have everything you need for this course accessible through MOODLE. You should keep copies of your work on a flash drive as well as on your personal Z drive, accessible from any computer in the Computer Science labs as well as off-campus. If you intend to make use of

LSUS labs, do not store personal files on a lab computer (i.e., Desktop) as they may be lost immediately after logging out.

ALWAYS LOGOUT FROM THE WORKSTATION PRIOR TO LEAVING THE LAB.

Textbooks

Required textbook

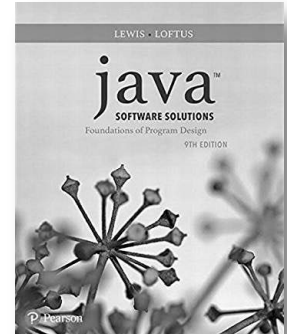
Java Software Solutions: Foundations of Program Design, 9/e

By John Lewis and William Loftis

Published by Addison-Wesley

ISBN: 9780134462028

Available from the on-campus Barnes & Noble bookstore. Support your store.



“Note that Barnes & Noble College’s Price Match program matches the prices of any textbook advertised or offered from local brick-and-mortar bookstores or online retailer (i.e., amazon.com or bn.com). Any price difference is refunded back to the customer through their original form of payment, and includes rental, used and new textbooks.” Source: Barnes & Noble

Recommended resource

I have a couple of CSC145-related textbooks on reserve in the LSUS library. You may check them out for up to two hours and renew them as long as nobody needs them. You cannot take the books outside the library, though. There may be additional restrictions on borrowing books due to COVID-19 pandemic.

Strongly recommended hardware

A USB 3.x flash drive (64GB+). Keep backups of your work on the thumb drive. Also, create a README.txt file containing your contact information in the main directory on the flash drive. This file will help us return the flash drive to you should you forget it in the lab (it happens quite often).

Attendance, Exams and Grading

Assignments	30%
Final Project	10%
Exams	40%
Final exam*	10%

* Replaces missed exams

Score %	Grade
$90 \leq \text{score} \leq 100$	A
$80 \leq \text{score} < 90$	B
$70 \leq \text{score} < 80$	C
$60 \leq \text{score} < 70$	D
$\text{score} < 60$	F

You are strongly encouraged to watch assigned prerecorded lectures, because much of the learning is generated from practical examples of how the concepts apply to various situations.

You are expected to take all exams offered via Proctorio. Make-up exams will not be offered. However, your final exam score will count towards any missed exam (it will also replace your lowest exam score, providing that the final exam score is higher).

Assignments

Assignments may include readings from the textbook and various handouts as well as programming assignments (please, make sure to follow my instructions and on-time submission to avoid deducted points). **Make sure to take good handwritten study notes in a bound notebook as you will be able to use them during the exam.**

Assigned labs will have a firm due date. I will make sure that you get enough time to complete them. Note that you may submit your lab up to 72 hours late. However, there will be a 10% deduction for each initiated 24-hour period past the deadline with a maximum of 30% deduction. Labs submitted more than 72 hours past the deadline will not be graded. No other extensions

can be granted because all labs submissions need to be graded at the same time. To qualify for curve/bonus points at the end of the semester, you have to turn in all your assignments.

Submit your work (as instructed) before the deadline. If you experience problems with your personal computer, LSUS has a number of notebook computers you can borrow for the remainder of the semester as part of the university's COVID-19 student commitment.

Let me know if you experience problems. I am here to help you succeed.

If for any reason the MOODLE system is not accessible around the submission deadline, please email me your assignment (ZIPped) before the deadline (mtrutsch@lsus.edu with "CSC145 Temporary Lab # Submission" in the Subject); you must still upload the same/unedited file(s) as emailed to me as soon as MOODLE becomes available. I need these files in one place for the accreditation purposes.

Submit your work as described in the lab handout and/or shown in class/mentioned during my lecture – incomplete submissions will not be graded. Let me know, if you experience any problems. You know, I am here to help you. :-)

Assignment-related questions will be included in exams, so do your own work. You will be given enough time to complete the assignments but start working on them immediately, giving yourself enough time to ask potential questions. **Any indication of academic dishonesty will be treated according to LSU System policies, requiring reporting of all participating parties to the Academic Misconduct Committee.**

Again, please, check your email/MOODLE frequently as I may post last minute announcements as well as additional assignment tips. You can forward your LSUS email to your favorite email address or setup your email client to download your LSUS email along with your other email.

Material to be Covered

A week-by-week schedule will be posted on MOODLE.

Note that you are responsible for the material related to each topic. You should read the material on your own and let me know if you have any questions. I will be happy to clarify/explain things that you do not understand. Being able to learn things on your own after receiving initial instruction on the subject matter is an essential skill for every computer scientist.

Schedule (subject to change)	
Week	Topic/Activity
1 - 2	Lewis & Loftus, Chapter 7: Object-Oriented Design
3 - 5	Lewis & Loftus, Chapter 8: Arrays Exam 1 (Chapter 7 theory and programming)
6 - 8	Lewis & Loftus, Chapter 9: Inheritance Exam 2 (Chapter 8 theory and programming)
9 - 11	Lewis & Loftus, Chapter 10: Polymorphism Exam 3 (Chapter 9 theory and programming)
12 - 14	Lewis & Loftus, Chapter 11: Exceptions Exam 4 (Chapter 10 theory and programming)
15	Exercises related to Chapters 7 - 11 Final project due



Code of Student Conduct and Collaboration Policy

Like many other universities that want to preserve the value of your degree, LSUS also does not tolerate academic dishonesty – you should be familiar with the code of student conduct found in the student handbook. All LSUS students are required to have – and have read – a copy of *Understanding Plagiarism*. If you need a copy of this booklet, it is available from the University Bookstore. Please read and be aware of the *Code of Student Conduct*, in particular the types of behavior that are defined under “*Academic Misconduct*” and the sanctions that can result (including a permanent grade of XF on your transcript).

For this and other courses, you must do all assignments individually, unless group work has been specifically permitted. You may discuss the assignments with your classmates, but you must do the programming on your own. To learn, you will need to program, not watch another person do it.

Be respectful towards your classmates and do not ask them to share their code/homework.



LSUS Student Success Center

It is in every student's best interest to utilize the Student Success Center (SSC) [\[WWW\]](#) and its services. One-on-one tutoring, both online and in-person, is available for many subjects including Math, English, and Science. Academic coaching is also available to help students achieve their higher education goals through the development of research-based learning skills and increased competency through a metacognitive approach. Additionally, the SSC offers workshops that cover a variety of topics to promote all aspects of learning. These services can be accessed via MOODLE by enrolling in the Student Success Center. From here, students can make appointments and receive important updates.

Note: The SSC is located on the First Floor of the Noel Memorial Library

If you have any questions, please feel free to contact the success center at success@lsus.edu or 318-795-2486.

Disability Services

LSUS will make reasonable accommodations for persons with documented disabilities. During or before the first week of classes, students who wish to request accommodations must notify the Coordinator of Services for Students with Disabilities in the Student Development and Counseling Center (Admin 227, phone 797-5365).

Labs

Please, check the lab times as LSUS offers several labs. The labs provide the tools and services that you may find useful (COVID-19 permitting). However, course-specific software may not be available in non-Computer Science labs. I can request to have course-related software installed in the Campus-Wide Lab/Student Success Center but you have to let me know what you need.

Important Dates

Important dates are listed in the latest LSUS catalog: [\[WWW\]](#)

If for some reason you cannot attend this (or any other) class anymore, please, make sure that you drop the course or your scores up to that point will count towards your final grade. Remember, all grades earned at LSUS are used to calculate the GPA (even if you repeat/delete a course)!

Access to Microsoft Office 365 Suite

LSUS provides Microsoft Office 365 to all students. You may install a copy of the full Microsoft Office 365 software suite on any of your devices. [\[WWW\]](#)

A Tip For Success

To prepare for your future profession, write programs and work with different technologies in your spare time, not just those assigned to you in class. Challenge yourself. Solve problems you encounter on a

daily basis. I will be happy to guide you towards solving any problem you may attempt to solve, regardless of whether the problem was assigned in class or not. Companies also value your effort to get certified in Java, C#, SQL, etc. Attend company presentations (Wednesdays at 11AM; see announcements) and ask what kind of certifications they like to see on applicants' résumés. Speaking of résumés, seek help from LSUS Success Center [\[WWW\]](#) as well as HomeworkLA.org [\[WWW\]](#), a free service for Louisiana residents offered by the State Library of Louisiana.

You may also volunteer to work on one of the research projects in our department or help in a local elementary school in exchange for résumé-building experience. See me, if interested.

Note that students with practical experience tend to get hired even before graduating! Your future is bright. Make us proud.

According to The Seattle Times, "...nationwide there is a well-documented shortage of graduates in computer science. The Bureau of Labor Statistics projects that 70 percent of all new jobs across all STEM fields during this decade [and beyond], across engineering, the physical sciences, the life sciences, and the social sciences, will be in computer science. More than three-quarters of a million new jobs. The field is booming." [\[WWW\]](#)

Your Current Grade

Your current grade will be calculated in MOODLE. Should you have any questions or concerns during the semester, please, feel free to address them with me.

 **Have a successful and safe semester!** 



Department of
Computer Science



OFFICE HOURS

FALL 2020

OR BY APPOINTMENT

Tuesday/Thursday: 9:00 – 13:00

Since this is an online class, there will be no in-person office hours. You may email me or talk with me via Zoom during my office hours. Note that I can also call you to your phone (email me your preferred telephone number).

Note that I am available to answer your questions via course-related MOODLE Forum [Forum] (preferred) or email (add CSC145 to the subject) [Email]. Additionally, we can setup a phone call (email me your preferred phone number) or a Zoom videoconference [Zoom]. Should you call my office (318-797-5131), you may leave me a voice mail and the voice mail will be emailed to me.

If you need to be advised, please, update your curriculum worksheet, email it to me (Subject: Advising), and let me know how many courses you intent to take during the next semester. I will also be happy to advise you via email/phone. If you do not have a curriculum worksheet, I will create one for you. Please, do not wait until the last minute to be advised and to register for courses as courses tend to fill-up quickly.

As always, feel free to let me know, if you have any questions or if you need help.

E-mail: mtrutsch@lsus.edu Phone: 318-797-5131

😊 Have a successful and safe semester! 😊

Dr. Trutschl

Live ♦ Learn ♦ Succeed

Fall Semester 2020 (Traditional)

April 2020

Fri	10	Good Friday holiday - University offices closed
Mon	13	Registration begins for currently enrolled Graduate students, Seniors , and Military Veterans for summer and fall semesters.
Tues	14	Registration begins for currently enrolled Juniors for summer and fall semesters.
Wed	15	Registration begins for currently enrolled Sophomores for summer and fall semesters.
Thurs	16	Registration begins for currently enrolled Freshmen for summer and fall semesters.
Fri	17	Registration begins for currently enrolled Re-entry students for summer and fall semesters.
Mon	27	Registration begins for summer and fall semesters for admitted Transfer students.

August 2020

Wed	19	Fall semester begins. Tuition and fee payment deadline for fall semester
Fri	21	Open registration begins for fall semester.
Mon	24	Classes begin for fall semester. \$50 late registration fee begins for fall semester.
Fri	28	Last day to add or change to credit for fall semester Last day for 100% refund for fall semester

September 2020

Fri	4	Last day for 60% refund for fall semester
Mon	7	Labor Day holiday - University offices closed
Fri	11	Last day to drop or resign without a "W" from fall semester Last day for 40% refund for fall semester Census date for fall semester

October 2020

Mon	5	Last day to change from credit to audit for fall semester
Thurs-Fri	8-9	Fall break
Mon-Sat	12-17	Mid term exams for fall semester
Tues	20	Mid term grades due from faculty to the Registrar at 10 a.m.
Fri	30	Last day to drop or resign with a "W" from fall semester

Fall Semester 2020 (Traditional)

November 2020

Mon	9	Registration begins for currently enrolled Graduate students, Seniors , and Military Veterans for spring semester.
Tues	10	Registration begins for currently enrolled Juniors for spring semester.
Wed	11	Registration begins for currently enrolled Sophomores for spring semester.
Thurs	12	Registration begins for currently enrolled Freshmen for spring Semester.
Fri	13	Registration begins for currently enrolled Re-entry students for spring semester.
Mon	23	Registration begins for spring semester for admitted Transfer students.
Thurs-Sat	26-28	Thanksgiving holidays– University offices closed

December 2020

Sat	5	Fall semester classes end.
Mon-Fri	7-12	Final exams
Tues	15	Fall final grades due from faculty to the Registrar at 10 a.m.
Fri	18	Fall commencement at 2 p.m.; Fall semester ends.
Sat	19	Fall final grades available on myLSUS
Thurs-Thurs	24-31	University offices closed for the holiday season

Syllabus Addendum

LSU Shreveport has taken many steps to make our campus safe during the COVID-19 pandemic. We must all work together to keep each other safe. Please commit to the following:

- Please arrive on campus a few minutes early and go to one of the 5 wellness screening sites on campus. Once screened you will be given a sticker to wear for the remainder of the day to signify that you have been screened and are showing no COVID-19 symptoms. Students arriving to class without a screening sticker will be told to immediately proceed to a screening station. Once screened, they may return to class. Refusal to comply may be a violation of the Code of Student Conduct.
- The Governor and Chancellor have both mandated wearing of masks. Masks are required inside all campus buildings to include classrooms, hallways, stairwells, and restrooms. Refusal to comply may be a violation of the Code of Student Conduct.
- Stay home if you are sick. Please inform the Dean of Students if you have tested positive for COVID-19. Students in close proximity to a student who has tested positive will be contacted.
- Please sit in your assigned seat and sanitize your work area upon arrival. Sanitization supplies will be available at centralized locations.
- Maintain a distance of at least 6 feet between yourself and others.
- Practice good hygiene including frequent handwashing and using hand sanitizer.