

Syllabus – CS 1302 – Spring 2024

Contents

1	Course Information	1
2	Instructor Information	1
3	Class Information	2
4	Assessment	3
5	Additional Information.....	3
6	Academic Honesty	4
7	HW Help	4

1 Course Information

Course: CS 1302 – Principles of Programming II, Sections A & B, 4 hrs. credit, Department of Computer Science, College of Science & Mathematics, Valdosta State University

Prerequisites: CS 1301 with a C or better & knowledge of all 1301 topics at the C or better level.

Catalog Description: A study of advanced object-oriented programming. The course involves extensive programming that includes inheritance, polymorphism, dynamic binding, object composition, exception handling, file I/O, GUI, class diagrams, and unit testing.

Learning Outcomes: Students who have successfully completed this course will be able to:

1. Design and implement programs with classes and methods based on problem specification.
2. Design and document object-oriented models with class and object diagrams.
3. Develop programs that utilize object-oriented programming concepts, including encapsulation, inheritance, polymorphism and abstraction.
4. Develop programs that use text files.
5. Design and implement basic graphical user interfaces.
6. Develop programs that use exceptions.
7. Develop programs that use recursion.
8. Design and implement programs that utilize collection classes, including lists, sets, and maps.

2 Instructor Information

Instructor: Dr. Dave Gibson, 1128 Nevins, 229.333.7151 (office), 229.253.4410 (Dept. office)

Email: dgibson@valdosta.edu, All email addressed to me should:

- Be from a VSU account
- Have a subject that begins with: CS 1302 A or CS 1302 B (e.g. CS 1302 A-HW 1 question)
- Be signed with your full name in the body of the message (e.g. Dave Gibson)

Office Hours: M: 10-11, 3:15-4
T: 10:45-11:30, 2:30-3:15
W: 10:50-11:30
Th: 10:45-11:30, 2:30-3:15
F: anytime by appointment

3 Class Information

Class: Both sections meet in 1121 Nevins Hall

	Section A	Section B
Tuesday/Thursday	9:30-10:45	3:30-4:45pm
Wednesday	10-10:50	3:30-4:20pm

Final Exam:

Section A	Section B
Thursday, May 2, 8-10am	Friday, May 3, 2:45-4:45pm

Course Website: The course website is found by going to my homepage: <https://cs.valdosta.edu/~dgibson/>, and choosing the CS 1302 link which will display the course Schedule. The Schedule provides a list of exactly what we do in class, exams and quizzes, assignments, and due dates. It is your responsibility to check the Schedule regularly.

Textbook: The textbook is written by me and is available on the Schedule. We will follow my textbook in class, many times projecting it to the screen. I recommend that you print the chapters and take notes on them. There is strong statistical evidence that writing notes by hand increases the information you remember long-term¹.

Blazeview: Used only for turning in homework, labs and posting grades. It is not used for communication, use email instead.

Communication: We use VSU email to communicate with one another (or phone).

Attendance:

- You are expected to attend all class meetings. Attendance is taken before class begins, and ends at the time the class starts. After that, you are considered tardy. Per VSU policy, if you miss more than 20% of scheduled class meetings (10 classes), then you can receive an F grade for the course.
- Leaving Early – you are required to stay for the entire class time. Each instance of leaving early counts as ½ an absence.
- Do not leave the classroom once lecture has started, excepting an emergency. Should such a situation develop, contact me immediately after class.

General Policies:

- Electronic devices are allowed for viewing course notes. Any other use is not allowed. Any violation of this results in an absence.
- Phones are muted or turned off and stored off the surface of your desk and not within sight. Phones are not to be used in any capacity during class. Any violation of this results in an absence.
- Check the Schedule on the website regularly. Check your VSU email account regularly.
- Drinks with a lid are OK. Food/candy/snacks are not allowed.

Tutoring: Tutoring is available for the is class through the ASC. Online tutoring via Blazeview is also available. More information will be presented in class.

¹ <http://www.psychologicalscience.org/index.php/news/releases/take-notes-by-hand-for-better-long-term-comprehension.html>

4 Assessment

Grade Components: Labs (10%), Homework (20%), 5 Exams (50% total), Final Exam (20%)

Course Average: Computed from the weights above using a 100-point scale.

Final Grades: Final grades are assigned according to where your Course Average (rounded) falls on the following scale: 90-100=A, 80-89=B, 70-79=C, 60-69=D, 59 or below=F.

- **To earn a C or better in the course, you must also have:**
 - **A HW average of at least 70%.**
 - **Completed at least 12 Labs.**
- **To earn a B or better in the course, you must also have:**
 - **Completed HW 10 with a grade of at least 50%.**
- **To earn an A in the course, you must also have:**
 - **Completed all HW assignments with a grade of at least 60% on each one.**

Labs: There are 16 Labs. The due dates are shown on the Schedule. Labs are accepted up to one day late with a penalty of 50%. Labs are completed outside of class and are typically due the day we start a new chapter of the text. They generally require 1.5-2 hours of work. **You must have an average of at least 70% on labs to pass the class with a C or better.**

Homework: There are 10 homework assignments which require you to write code and draw UML diagrams. These require 4-10 hours of work, typically. Late homework incurs a penalty of 15% per day. The last HW is larger and count as 3-5 homework assignments, depending on the nature of the assignment and the time expectation.

Tests: There are 5 tests which will always occur on Tuesday or Thursday. If you must miss a tests for any reason: (a) contact me in advance, (b) submit an explanation and documentation. If approved, then a make-up test will be given within 24 hours or the weight of the test carried to the Final Exam at my discretion. On every test, more than 95% of it will require you to write code, by hand, with no notes or other resources.

Final Exam: Comprehensive

5 Additional Information

Workload: Heavy and continuous. This class requires a steady 9-12 hours outside of class every week to succeed. Prepare to spend a significant amount of time on this course. **If you do not have the time to commit, please consider taking this course in a future semester.**

Title IX Statement: Valdosta State University (VSU) upholds all applicable laws and policies regarding discrimination on the basis of race, color, sex (including sexual harassment and pregnancy), sexual orientation, gender identity or expression, national origin, religion, age, veteran status, political affiliation, or disability. The University prohibits specific forms of behavior that violate Title IX of the Education Amendments of 1972. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal funding. VSU considers sex discrimination in any form to be a serious offense. Title IX refers to all forms of sex discrimination committed against others, including but not limited to: sexual harassment, sexual assault, sexual misconduct, and sexual violence by other employees, students or third parties and gender inequity or unfair treatment based on an individual's sex/gender. The designated Title IX Coordinator for VSU is Ms. Selenseia Holmes. To view the full policy or to report an incident visit: <https://www.valdosta.edu/administration/student-affairs/title-ix/>

Accommodations Statement: Students with disabilities who are experiencing barriers in this course may contact the Access Office (<https://www.valdosta.edu/student/disability/>) for assistance in determining and implementing reasonable accommodations. The Access Office is located in University Center Room 4136 Entrance 5. The phone numbers are 229-245-2498 (V), 229-375-5871. For more information, please visit VSU's Access Office or email: access@valdosta.edu. To request reasonable accommodations for pregnancy and childbirth, contact Ms. Myia Miller, Title IX Compliance Officer, at maburden@valdosta.edu. Please note, you will be required to provide

documentation from an appropriately licensed medical professional indicating the requested accommodations are medically necessary.

6 Academic Honesty

You are encouraged to discuss with others to understand the problem and how to solve it in words.

Rules

1. You are expected to work individually for all quizzes and exams.
2. All “homework” for this course must be entirely your own work. If you are working with someone you must:
 - a. Not copy from one another.
 - b. Place a comment at the top of the main file for the assignment stating who you worked with.
3. **You may not:** share code with someone else in any format (electronic, hard copy). Nor may you request or possess any of these from someone else.

Consequences

1. A grade of zero on assignment for all involved (copiers & source)
2. A *Report of Academic Dishonesty* is filed which may result in disciplinary action from the university. For more information, see:
<http://www.valdosta.edu/academics/academic-affairs/academic-honesty-policies-and-procedures.php>

7 HW Help

When you want my help, via email, with a HW problem, do the following:

1. State the HW # and the problem # (if there is more than 1). If you have a question about the HW Document, provide the page number.
2. If your code doesn't compile, state the exact line.
3. If your code runs, but crashes:
 - State the exact line where it crashes and include the stack trace (the red text in Eclipse that results when the program crashes). A screen shot of this is acceptable, or copy/paste.

Else If your code runs, but doesn't give the correct result:

- Provide the input data you used, what the result was, and what you expected it to be
4. State your idea about what is wrong.
 5. Provide the relevant code by copying it into the body of an email. Do not submit a screen shot. It must be in a mono-spaced font (Consolas or Courier New), no background color, and black or the default color scheme of Eclipse. If your code does not comply with this, remove the formatting by: (a) paste-special into Word and choose the option to paste as “Unformatted Text”, (b) select all the text and choose the font: Consolas, (c) copy/paste code into email.

When providing code, generally, you will provide an entire class. You can put two classes in an email body if necessary. However, with 2 or more classes, it is probably better to just attach them.

When you want my help in-person, with a HW problem, follow the steps above, except bring your code on a laptop (not phone). You can email me the code if needed.