# CIS 343 02 – Structure of Programming Languages

# Ira Woodring

MAK C-2-108 (in the main CIS suite)

Discord server <https://discord.gg/u9Sepnc>

woodriir@gvsu.edu

331-5033

## Office Hours

MWF 12-1 and 2-3

Virtual hours via Discord

Please note I am not on campus on Tuesdays and Thursdays, though you can reach me through our class Discord channel, which I check rather compulsively via apps on my phone and laptop.

**Discord is the best way to contact me.**

## Course Description

Language definition structure. Data types and structures. Control structures and data flow. Lexical analysis and parsing. Interpretive languages. Run time considerations. Survey of programming languages. (3-0-0) Offered winter semester.

Prerequisites: Admitted to CIS Major

## Objectives

After successful completion of the course, students will be able to

1. Describe three major programming paradigms.

2. Implement a program using three programming paradigms.

3. Evaluate a programming language of their choice based on criteria given in class.

4. Examine issues in language analysis and parsing.

## Text

Concepts of Programming Languages, 11th or 12th Edition by Robert Sebesta. Pearson.

The book is required and used.

## Policies and Procedures

This course is subject to the GVSU policies listed at <http://www.gvsu.edu/coursepolicies>.

## Attendance

Attendance is required. Should you happen to miss a class, any assignments due on that day must have been submitted before the class. Exams cannot be made up without prior approval of the instructor (i.e. not the day of).

Valid reasons for missing a class are documented emergencies, military commitments, etc. Note that I do take attendance and use it in calculation of grades.

However, I am aware that faith is important to many individuals. I make every attempt to schedule such that exams do not take place during events listed on Grand Valley’s Multifaith Calendar (<http://multifaithcalendar.org/cal/index.php>). If you find I have scheduled an exam on a day that conflicts with a religious observance, let me know and we will attempt to find an alternative date for you to take the exam. Assignments however, are scheduled days or weeks in advance (most are assigned at the beginning of the term) and should be turned in on the day due. If you will not be in class that day due to a religious observance, I will make electronic submission of the assignment available to you for on or before that day.

## Academic Honesty

Assignments are to be completed individually unless otherwise noted by the instructor. Please note that this means:

* You may talk to others about the assignments (it is encouraged).
* You should talk about the assignments in English (or other natural language), not in code
* If you talk to others about assignments I should see a note in your code regarding that.

This means that if you had a conversation with your neighbor, found an article on Stack Overflow, or read something in a book, etc., that you have an obligation to note that in your code comments.

Copying someone else’s code is plagiarism. This is considered academic dishonesty. Academic dishonesty can result in a ‘0’ on assignments and a referral to our Academic Honesty Committee for further review.

## Contacting Me

I am often on campus. Feel free to come by my office anytime I am here, regardless of whether it is a posted “office hour.” However, the easiest method of communicating with me is via Discord. Second easiest is email. Unfortunately, I receive hundreds of emails a week. To ensure that I take note of your email (and that it isn’t eaten by a spam filter), make sure the subject line says:

**CIS 343 – Section 0[1,2]. Concerning [YOUR REASON FOR EMAILING ME]**

If your email does not follow this format, it is very likely I will miss it. Once again, my email address is

[woodriir@gvsu.edu](mailto:woodriir@gvsu.edu)

## Disability Support Resources

Any student who requires accommodation because of a physical or learning disability must contact Disability Support Resources (http://www.gvsu.edu/dss) at 616-331-2490 as soon as possible. After you have documented your disability, please make an appointment or see me to discuss your specific needs.

If you have a disability and think you will need assistance evacuating this classroom and/or building in an emergency situation, please make me aware so we can develop a plan to assist you.

## Projects and Homework

I expect you to follow the departmental style guide for all source code. It can be found at

<http://www.cis.gvsu.edu/java-coding-style-guide/>

Note that it is specifically about Java coding but is relatable enough for other languages.

Assignments may be turned in up to two days late, with a 10% penalty per day. There is no credit granted for programs that do not compile. If you have “test code” in your source code be sure to comment it out so that your code compiles. I often automate testing of your code using unit testing frameworks. If your code does not compile my testing will not work.

## Grading

Homework/Quizzes/Attendance/In-class Assignments 12%

Midterm Exam 18%

Programming Assignments 40%

Term Paper 10%

Final Exam 20%

Total: 100%

With a grading scale of:

A 93 – 100%

A- 90–92%

B+ 87-89%

B 84–86%

B- 80–82%

C+ 77-79%

C 73–76%

C- 70–72%

D+ 67–69%

D 60–66%

F <60%

## Important Dates

Registration Drop and Add - March 19 - January 11

Payment Deadline - December 14 by 5:00 pm

Classes Begin - January 7

100% Tuition Refund Deadline - January 11 by 5:00 pm

Last Day to Add, Register, or Pay - January 11 by 5:00 pm

Martin Luther King, Jr. Day Recess - January 21

75% Tuition Refund Deadline - February 1

Mid-term Evaluations - February 18-22

Mid-term Grades Due from Faculty - February 26 by 12:00 pm

Mid-term Grades Available to Students - February 28

Spring Break - March 3-10

Drop with a "W" Grade Deadline - March 8

Classes End - April 20

Examination Week - April 22-27

Commencement - April 26-27

Semester Ends - April 27

Grades Due from Faculty - April 30 by 12:00 pm

Grades Available to Students - May 2

I cannot, and would not if I could, withdraw you from the class. If you decide you must withdraw, first speak with me. Then, if you decide it is best, you must withdraw yourself. The deadline is listed above.

Our final exam will be Thursday, April 25, 2:00 pm - 3:50 pm in our classroom.