

CSC 526 – Principles of Compiler Design II

Section 501, Spring 2020

Meeting Time & Place: Th 6:00pm – 8:50pm, OM 158

Instructor: Dr. Dylan Schwesinger
Office Old Main 252; Phone: (484) 646 - 4389
email schwesin@kutztown.edu
Web URL <https://csitrd.kutztown.edu/~schwesin>
Office Hours MoFr 10:00am – 12:00pm, We 10:00am – 11:00am

Course Description: This is a project-oriented course in the implementation of a compiler of a simple programming language. Topics studied will include intermediate program representations, code generation and address assignment, register allocation and assignment on general-register machines, run-time storage administration, data-flow analysis, and code improvement.

Prerequisite: CSC 425 or permission of instructor.

Grading Policy: Assignments 80% of grade
Final Project 20% of grade

Each grade item will be scored on an integer scale from 1 – 5 based on the following considerations:

- 5 Thorough understanding of the material.
- 4 Acceptable understanding of the material.
- 3 Some understanding of the material.
- 2 or 1 Poor understanding of the material.

The University Plus/Minus Grading Scale will be used for letter grades. Letter grades will be assigned according to the following scale: A: 4.65 and above, A-: 4.50 - 4.64, B+: 4.15 - 4.49, B: 3.85 - 4.14, B-: 3.50 - 3.84, C+ 2.85 - 3.49, C: 2.50 - 2.84, F: 2.49 and below.

Assignments: All assignments are due at the due date and time. Late assignments will not be accepted. All assignments should include the following information: your name, the course (CSC 526), semester and year, and assignment number. For programming assignments, the computer science documentation standard must be followed, which is located at <https://www.kutztown.edu/Departments-Offices/A-F/ComputerScienceInformationTechnology/Documents/Student%20Resources/DocumentationStandard.pdf>

Collaboration: Collaboration on homework is encouraged. You are free to consult any outside sources such as tutorials, books, and wikis, and to seek help from sources such as <https://stackoverflow.com>. However, the following restrictions apply: homework solutions must be written individually and you must cite any people or resources you consulted in completing an assignment. Not following these restrictions will result in a score of zero on the assignment in question.

Attendance: Attendance is optional, but regular attendance and class participation are encouraged. Students are responsible for all material covered in class.

Email Correspondence: The best way to contact me is via email. When sending email, please indicate the course number in the subject line by placing it within brackets, for example, “[CSC 526] Need help on Assignment 1”.

Classroom Etiquette: Consideration for your classmates, instructor, and class is expected. Please come to class on time and prepared to learn. There should be no classroom conversations, sleeping, cell phone usage, or other disruptions to the class.

Academic Dishonesty: All students should familiarize themselves with the Computer Science Academic Integrity Policy located at <https://www.kutztown.edu/Departments-Offices/A-F/ComputerScienceInformationTechnology/Documents/Student%20Resources/AcademicIntegrityPolicy.pdf> Any student copying work or giving work to another student will receive a zero for the assignment and will be referred to the department chairperson.

Accreditation: Any course work submitted to the instructor (including but not limited to assignments, tests, and projects) may be photocopied and retained for the purpose of assessment, accreditation and quality improvement, after removal of any information identifying the student.

Students with Disabilities: Students with diagnosed disabilities or special needs that require accommodations for this course must first contact the Disability Services Office, located in the Office of Human Diversity at 215 Stratton Administration Building. If you have already disclosed a disability, please feel free to speak with me privately so that I may assist you.

Gender-Based Crimes: Educators must report incidents of gender-based crimes, including sexual assault, sexual harassment, stalking, dating violence, and domestic violence. If a student discloses such incidents to me during class or in a course assignment, I am not required to report the disclosure, unless the student was a minor at the time the incident occurred. Regardless of the student's age, if the incident is disclosed to me outside the classroom setting or a course assignment, I am required by law to report the disclosure, including relevant details, such as the names of those involved in the incident, to Public Safety and Police Services and to Mr. Jesus Peña, Title IX Coordinator.

Note: This syllabus is subject to change at the discretion of the instructor.