CPSC 326: Organization of Programming Languages
SYLLABUS — Spring 2016

Time and Place: TR 4:05pm–5:20pm, PACCAR 107
Prerequisites: CPSC 223
Instructor: Shawn Bowers
    Email: bowers@gonzaga.edu, Office: Herak 309C, Phone: (509) 313-5712
Office Hours: 1:00pm–2:30pm Tuesday, Wednesday, Thursday, or by appointment.
Course Webpage: http://www.cs.gonzaga.edu/~bowers/courses/cpsc326
Required Textbook:

Course Materials: Lecture notes, reading assignments, homework, announcements, and general class information will be made available on the course webpage. The blackboard system may also be used (http://learn.gonzaga.edu) for posting grades. Be sure to check the course webpage often for updates.

Course Description: This course is an introduction to concepts in programming languages. The course covers a range of programming paradigms including procedural, functional, and logic-based languages. We will examine and use different languages as well as survey topics in language design and implementation. The course provides hands-on experience using different languages through programming assignments.

Grading:
    30% – Homework Assignments
    10% – Projects
    10% – Quizzes
    25% – Two mid-semester exams
    25% – Final exam

Opportunities may also be provided for extra credit. Letter grades will be assigned based on the standard percentage scales (A: 93-100%, A-: 90-92%, B+: 87-89%, B: 83-86%, B-: 80-82%, C+: 77-79%, C: 73-76%, C-: 70-72%, D+: 67-69%, D: 60-66%, F: 0-59%).

Course Policies:
Assignments. All assignments (reading homework, programming homework, and projects) must be turned in during the scheduled class period of the given due date. NO LATE ASSIGNMENTS WILL BE ACCEPTED. If you expect to miss class when an assignment is due, turn your assignment in prior to the due date. It is expected that you work on all homework assignments INDIVIDUALLY and that you TURN IN YOUR OWN WORK (unless stated otherwise by the instructor).
Exams and Quizzes. Makeup exams will only be given in cases of medical, personal, work-related, or other emergencies. If an emergency arises and you are going to miss an exam, contact me as soon as possible (prior to the exam) to arrange an alternative exam time. Quizzes are worth 10
points each, and quizzes are worth 15% of your final grade. If you miss a quiz, you will receive 0 points for that quiz. NO MAKEUP QUIZZES WILL BE GIVEN.

Attendance. It is important that you attend class. The Gonzaga University Catalog states that exceeding 4 absences (for courses meeting twice a week) constitutes a grade of V. If an extraordinary situation (medical, personal, work-related, or other emergency) prevents you from working for an extended period of time, contact me as soon as possible to discuss your situation and to arrange a special schedule (if appropriate). Otherwise, your absence will be treated as unexecused.

Academic Honesty: You are expected to follow the university policy on academic honesty. Examples of academic dishonesty regarding programming assignments include: turning in the work of another student and representing it as your own work, knowingly permitting another student to turn in your work, copying code from another student, and deliberately transforming borrowed sections of your code to disguise its origin. Note that you can still have general discussions about assignments, e.g., concerning requirements, debugging approaches, and the general ideas involved in an assignment. When in doubt about the policy, please ask for clarification.

Use of Electronic Devices in Class: Please do not make inappropriate use of electronic devices during class times (e.g., laptops, tablets, or phones). These devices should not be used during class to browse the web, text/instant message, check email, etc. Also, please be sure to put your phone in “silent” mode during class.

Office Hours: You are strongly encouraged to take advantage of office hours and/or make an appointment to meet with me if you have questions about the course material. I am more than happy to help you, and office hours are a great way to ask questions and get one-on-one help with the material.

Accommodation Support: Students in need of academic accommodations should contact me as soon as possible to arrange support. Students are encouraged to contact the Disabilities Resources, Education and Access Management (DREAM) office in the Foley library to develop accommodation strategies. I am happy to implement any plan that you work out with this office.

ABET Specific Outcomes of Instruction: Students completing the course will:

1. Understand that there are multiple programming paradigms
2. Understand design tradeoffs among language families
3. Understand design tradeoffs in languages of the same family
4. Be able to use formalisms to describe a programming language
5. Be able to write programs in a functional language
6. Be able to write programs in a logic-based language