Syllabus
COSC-252-x – Programming Languages - Fall 2018

Instructor: Jeremy Bolton, Ph.D.
Asst. Teaching Professor
Department of Computer Science
Office: Room TBA
Email: jeremy.bolton@georgetown.edu

Office Hours: Daily hours will be entered on Course Calendar
(or by appointment)

TAs: TBD (see Course Calendar for office hours)

This course acquaints the student with different classes of programming languages, criteria for language selection in various application areas, and the fundamentals of language design. Formal notations for language definition will be introduced. Run time support for each class of language will be examined. The student will be required to write two interpreters to become familiar with some of the concepts covered in the course. Lexical and syntax analysis, bindings, scope rules, concurrency, exception handling are some of the sub topics that will be covered in depth.

Credits: 3
Prerequisites: COSC-160

Recommended Text:

- **[ALSU]** Aho et al, *Compilers: Principles, Techniques, and Tools 2/e*, Pearson, 2007
- **[Lo]** Louden, *Programming Languages: Principles and Practice, 3/e*, Thomson, 2012

Grading:
Exams: Midterm (25%), Final (25%)
Programming Projects: (40%)
Assignments: (10%)

Grading Scale:

Grade	Range
A	[94, 100]
A-	[90, 94)
B+	[87, 90)
B	[83, 87)
B-	[80, 83)
C+	[77, 80)
C	[73, 77)
C-	[70, 73)
D	[60, 70)
F	[0, 60)

Submitting Assignments: Assignments will be posted on Blackboard. All electronic submission requirements (source code, reports, conclusions, etc.) must be posted to Blackboard prior to the due date and time. Source code should be text files with the appropriate extension. Other file formats will be specified in the project description if applicable, naming conventions will be specified in the project description.

Additionally, please note:

- All programming projects will have a 24 hour grace period. Beyond this period no submission will be permitted and, if no submission by the end of this period is received, a grade of zero will be assigned. If extraordinary circumstances arise which do not permit submission by the deadline, you *must inform contact the instructor or TAs prior to the deadline* (not grace period) to request special arrangements. **In general, special arrangements will not be granted.**

Attendance: Attendance is recommended. You will be responsible for everything covered in class. If you need to leave the classroom during a lecture feel free to do so as quietly as possible. Please turn off cell phones or set them to vibrate prior to the start of class. Food and drinks are not allowed in the classrooms.

Academic Honesty and Expectations: I am required to report any suspicion of academic dishonesty to the Honor Council.

Exams: must be entirely your own work. During exams, you are not allowed to view any other students work, show any other student your work, or engage in any discussion. Exams will be closed book and closed notes unless otherwise specified. In General, no make-up exams or early exams will be provided.

Projects: You are permitted to have conversations and interactions with other students concerning general programming techniques. This means discussions that one would reasonably expect to occur standing in front of a whiteboard. This **explicitly precludes** the detailed discussion of program code or other assignment products.

Notes about coding and coding practices:

Coding projects are an integral part of this course! It is assumed that you have a proficient understanding of a programming language. Students are responsible for learning and/or reviewing, as needed, the programming language chosen.

Cheating will not be tolerated. Any form of cheating will be reported to the GU honor council. Please read the following guidelines for project submissions:

- *Discussion among students pertaining to project content and general methodology is allowed; however, students are NOT ALLOWED to share code, copy code, or use code of others without penalty. If an explicit disclosure is denoted, then the penalty will be in the form of grade points. If an explicit disclosure is not denoted, then the matter will be treated as a violation of the ethics code and further penalties will be imposed.*
- *A student may be asked to present, demonstrate, or explain a project submission at any time, without notice. At my sole discretion, a student's project grade can be adjusted based on this presentation, demonstration, and/or explanation. If a student does not sufficiently understand or explain their submission, further action may be taken.*
- *Due Dates will be posted on Course Calendar or announced in class.*

Homeworks:
- Assignments will be posted on Canvas / Blackboard.
- Lateness Policy: Late Assignments may be submitted up to 24 hours after they are due. **Late Assignments will be marked 50% off.**
- **Show all of your work** and **circle your final answer** (if applicable).
- You must complete the assignments on your own, individually. You may not seek help from outside resources, no online resources, … . Permitted resources are your text and lecture notes.
- Each assignment question will be graded using the following scale:
  - 0: non-performance or shows no work / no explanation
  - inc: incomplete, partial credit
  - Poor - (60%): Minimal understanding, minimal work
  - Adequate (70%): Minimal understanding, significant errors
  - Good (80%): Basic understanding, but moderate errors
  - Great (90%): Good understand, possibly correct answers, but minor errors
  - Excellent (100%): Correct answer, Excellent Understanding, no errors

Weekly Class Schedule: The course schedule is provided on canvas / course website. It is possible that inclement weather, such as a snow emergency; or some other event could shut down the Georgetown campus. If that happens our class may meet as scheduled using ZOOM or similar. See canvas announcement for Updates.

Course topics, administrative guidelines, and other specifics discussed in this syllabus are subject to change. Notice of any changes will be provided in class.