

Hagerstown Community College Master Syllabus

CSC/IST-134: Introduction to Java Programming

Course Information

CSC/IST-134 Introduction to Java Programming

3 credits

Spring 2019

January 7 thru April 29, 2017

Wednesday from 6:00 to 8:45pm

Instructor Information

Course Description

This course provides students with a basic understanding of the principles of JAVA programming. It covers syntax, structure and emphasizes problem solving techniques. Upon completion of this course, students will be able to recognize and correct common programming errors and to create Java programs to correctly produce output given specific program objectives. Course fee required. Prerequisite: IST102 and MAT101. Semesters offered: Fall. 3 credits.

Textbook and Course Materials

JAVA Programming 9th Edition, Joyce Farrell. ISBN: 978-1-337-39707-0.

Website: www.cengage.com.

Also available online via Mindtap

Student Learning Outcomes

Upon completion of this course, students will be able to:

- develop a program from a given design or develop your own design
- understand the principles of event-driven programming
- implement a user interface
- understand and apply key programming concepts (variables, constants, conditions, decisions, loops and arrays)
- use function and sub procedures to make code reusable and extendable
- implement basic error handling and undertake debugging
- process strings and text files

Definition of Credit Hour: Classroom Courses

To earn one academic credit at HCC, students are required to complete a minimum of 37.5 clock hours (45 fifty-minute “academic” hours) of coursework per semester. Those hours of coursework may be completed through a combination of hours within the classroom and hours outside the classroom. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For most classes, students should expect to do at least 2 hours of coursework outside of class for each hour of in-class coursework. What does this mean for you? Since this is a three credit class presented over a 15 week period, you would work on this class 9 academic hours per week including class time.

Minimum clock hours required for this course

Assignment/assessment	Clock Hours
In-class instruction, In-Class Projects/activities	45 Instructional Hours
Read Chapters / Review Powerpoints prior to class	Textbook Chapters as assigned / Powerpoints 20 Hours
Chapter Assignments	Textbook Chapters as assigned 45 hours
Exams	To test student knowledge of topics presented 8 hours
	Total hours=118 hours

Services for students with disabilities: Students may receive reasonable accommodations if they have a diagnosed disability and present appropriate documentation. Students seeking accommodations are required to contact the Disability Support Services (DSS) office as early as possible. Students may contact a DSS staff member for an appointment at dss@hagerstowncc.edu or at 240-500-2530.