Hagerstown Community College
OFFICIAL MASTER SYLLABUS DOCUMENT

COURSE: CYB 131 Scripting Fundamentals - 3 credits

INSTRUCTOR: **SEMESTER/YEAR:** Spring 2018

COURSE DESCRIPTION: This course offers an in-depth introduction to scripting languages including basic data types, control structures, regular expressions, input/output, and textual analysis. Students will learn about problem solving and algorithm development and complete programming projects. Semesters offered: Spring Semester

TEXTBOOK:
Python Programming in Context, 2nd edition Bradley N. Miller, David L. Ranum, 2014. ISBN: 978-1-449-69197-4.
On line Code-Labs, Jones & Bartlett Learning, 2014.

STUDENT LEARNING OUTCOMES:
- Communicate effectively with both verbal and written forms
- Apply critical thinking and problem solving skills to algorithm development
- Design and implement simple programs based on user requirements

TOTAL HOURS OF COURSEWORK:

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 this particular class, a 15-week 3 credit class the average student would expect to work 9 fifty-minute "academic" hours per week. Some students may need more and some students may need less.

On-line

Assignment/Assessment	Hours Required
15 Discussion board posts	18.75 hours out of class composing discussion responses and reading and responding to classmates
Assigned reading	28 hours of reading, taking notes, etc. out of class
Thirteen quizzes	13 hours studying out of class and taking the quiz
Four programming projects	28 hours coding, documenting, and testing out of class
One final exams & prep	5 hours studying out of class
Fourteen exercises	35 hours research, writing algorithms and testing out of class
	Total hours=127.75

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