

Hagerstown Community College

**Master Syllabus**

**COURSE:** CSC109 UNIX/Linux Operating System 3 credits **DATE:** Spring 2018

**INSTRUCTOR:**

**COURSE DESCRIPTION:**

Using RedHat Linux, this course covers the basic concepts and commands used in the UNIX/Linux operating systems. The shells examined are the C, Bourne, and Korn. Because UNIX/Linux is a very extensive operating system, this course introduces students to the basic elements, such as utilities, electronic mail, Visual Editor, directories, messaging, shell programming, permissions, system security, on-line help, controlling user processes, printing, sed, and awk. The course is recommended for users with an operating systems background and will cover all that is needed to start using the UNIX/Linux operating systems. Laboratory fee required. Prerequisite: IST 102 or consent of instructor.

**TEXTBOOK:**

Guide to Using Linux, Michael Palmer, 4<sup>th</sup> ed., Course Technology, ISBN978-1-4188-3723-5 or pdf version: [Guide to UNIX Using Linux](#)

**STUDENT LEARNING OUTCOMES:**

On successful completion of this course, students should be able, at entry level, to:

- Choose appropriate UNIX operating system commands to make effective use of the environment
- Solve problems using shell programming techniques
- Demonstrate limited system administration functions

**MINIMUM CLOCK HOURS REQUIRED FOR THIS COURSE**

	DIRECT Faculty Instruction In-class <b>37.5 h required</b>	Student Work Out of Classroom <b>75 h required</b>
In-class "lecture"	37.5 h	
Reading chapters		15 h
Netlabs/Quiz/activities assigned by instructor for each chapter	Included in lecture time	47.5 h prep
Research project		20 h
3 lecture exams		9 h exam prep
Cumulative final exam (Academic Testing Center)	Included in lecture time	3 h exam prep
<b>Total Hours</b>	<b>37.5 h</b>	<b>79.5 h</b>

**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](mailto:dss@hagerstowncc.edu) or at 240-500-2530.