

**Hagerstown Community College**  
**OFFICIAL MASTER SYLLABUS DOCUMENT**

**COURSE:** CYB 246 Introduction to Cloud Computing - 3 credits

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

**COURSE DESCRIPTION:** This course serves as a basis for understanding the standard cloud terminologies and methodologies needed to implement, maintain, and support cloud technologies and infrastructure. Also discussed will be the relevant aspects of IT security and the use of industry best practices related to the application of virtualization. Topics include cloud service and delivery models, various types of disk storage system network infrastructure and management, virtualization components, performance tuning, systems management, troubleshooting and security. Business continuity and disaster recovery are also covered. Students will take the CompTIA Cloud+ Exam as the final exam. Course fee required. Total of 45 hours of lecture. \*Prerequisite: IST-154 and CYB-101.

**TEXTBOOKS:** CompTIA Cloud+ CVO-001 In Depth. Cengage Learning, 2015.  
ISBN: 978-0-305-09735-3, Gilster.

**STUDENT LEARNING OUTCOMES:**

- Think critically
- Communicate effectively with both verbal and written forms
- Identify the standard cloud terminologies and methodologies to implement, maintain, and support cloud technologies and infrastructure
- Understand relevant aspects of IT security and the use of industry best practices related to the application of virtualization

**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. Certain courses may require more than the 37.5 minimum hours of coursework per credit. For online classes, students should expect to do at least 2-3 hours of coursework daily.

Hours Required	Topic
20	Reading of textbook (19 chapters)
10	BYOD assignments (3)
20	Three (3) exams and preparation
25	Research Paper (1)
15	Class Discussion

**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