

Hagerstown Community College Master Syllabus

IST173-01: Database Fundamentals

Course Information

IST173-01: Database Fundamentals

3 Credits

Spring 2019

Instructor Information

Course Description

This course is designed to provide individuals with a complete introduction to database concepts and the relational database model. Topics include SQL, normalization, design methodology, DBMS functions. At the completion of this course, students should be able to understand a user's database requirements and translate those requirements into a valid database design.

Prerequisite: IST 102 or consent of TCS Division. Semester offered: Periodically Three credits.

Textbook and Course Materials

Exploring Microsoft Access 2016, Comprehensive. 2016, Poatsy, Cameron, Williams. Pearson/Prentice Hall

Student Learning Outcomes

- Think critically
- Communicate effectively with both verbal and written forms
- Apply concepts of database conventions in a database environment.
- Determine requirements for database design.

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 in 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 complete at least 2 hours of coursework outside of class for each hour of in-class coursework.

Classwork type	Direct Faculty Instruction In-class 37.5 hours required	Student Work Out of Classroom 75 hours required
Chapter Content	37.5 instructional hours	
Chapter Grader Projects		End-of-Chapter cases (10)

Classwork type	Direct Faculty Instruction In-class 37.5 hours required	Student Work Out of Classroom 75 hours required
		= 20 hours
Chapter Capstone Projects		Chapter Capstones (10) = 20 hours
Mini Capstone Projects		Mini Capstone Projects (2) = 10 hours
Course Capstone Project		25 hours
Total	37.5 hours	75 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.