Community College of Allegheny County

CREDIT COURSE SYLLABUS

COURSE NUMBER: **DAT-203**

COURSE TITLE: **Data Visualization and Business Intelligence**

CREDITS: **3**

HOURS: **Lecture:** **3** **Lab:**

Clinical: **Studio:** **Practicum:**

PREREQUISITES: DAT-201

COREQUISITES:

CATALOG COURSE DESCRIPTION:
In this course, students will learn to organize, manage and analyze massive amounts of data on servers. Students will utilize the tools and techniques required to present complex data in visually meaningful representations. Students will learn how to organize raw data, to analyze and interpret data, and to draw and present conclusions.

LEARNING OUTCOMES:
Upon successful completion of the course, the student will:
1. Design and implement a data warehouse.
2. Demonstrate the fundamentals of data visualization.
3. Extract and transform data.
4. Build reports.
5. Present and explain the results of data visualization.

LISTED TOPICS:
1. Data warehouse
2. Data visualization
3. Extracting data
4. Data reports
5. Data visualization presentation

REFERENCE, RESOURCE, OR LEARNING MATERIAL TO BE USED BY STUDENT:
Text, database, computer lab

Approved by the President on: Quintin B. Bullock 05/10/2017

Start Year/Term: Fall 2017