Community College of Allegheny County

CREDIT COURSE SYLLABUS

COURSE NUMBER: DAT-281

COURSE TITLE: Project in Data Analytics

CREDITS: 3

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

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

PREREQUISITES: DAT-201

COREQUISITES:

CATALOG COURSE DESCRIPTION:
This course is an advanced level project-based course for students in the Data Analytics program. Students will gain comprehensive experience and demonstrate their competence in appying the knowledge and skills learned in this program to real or hypothetical case studies. While students are encouraged to identify and work on projects in actual business or non-profit organizations, they may also work on equivalent hypothetical cases mutually agreed upon by the students and the instructor. The coursework culminates in a portfolio that will be used to evaluate student competencies in the program.

LEARNING OUTCOMES:
Upon successful completion of the course, the student will:
1. **Demonstrate different forecasting techniques.**
2. **Use appropriate database for specific forecast.**
3. **Demonstrate data analytics forecasting.**
4. **Demonstrate collaboration on data analysis.**
5. **Present portfolio using data visualization techniques.**

LISTED TOPICS:
1. **Forecasting techniques**
2. **Database forecasting**
3. **Forecasting with data**
4. **Collaboration in data analysis**
5. **Data visualization**

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