| Community College of Allegheny County |
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**CREDIT COURSE SYLLABUS**


**COURSE NUMBER:**   **DAT-202**

**COURSE TITLE:**   **Data Analytics 2**

**CREDITS:**   **3**

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

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

**PREREQUISITES: DAT-201**

**COREQUISITES:**


**CATALOG COURSE DESCRIPTION:**
**Building upon the principles set forth in prior coursework, students will engage in a comprehensive approach to the application of data analytics in the solving of business problems by employing the techniques frequently used in the discipline. Emphasis will be placed on the different types of forecasting techniques such as sales, risk, retention and attrition as applied to a variety of industries.**


**LEARNING OUTCOMES:**
**Upon successful completion of the course, the student will:**
1. **Differentiate the data needs for the different forecasting techniques.**
2. **Use appropriate database for specific forecast.**
3. **Implement data analytics forecasting.**
4. **Collaborate on using data for forecasting.**
5. **Use data visualization to illustrate forecasts.**


**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