ACCOUNTING 404 - Emerging Technologies in Accounting

COURSE OBJECTIVES

The rapid pace of technological changes in the world of business, and especially accounting, requires that you have both the knowledge and skills to apply tools from these emerging technologies in order to be successful. This course will introduce and provide you with hands on experience with:

- Robotic Process Automation using UiPath. Robotic Process Automation “takes the robot out of human work” and is being widely applied in accounting, finance, health care, insurance, legal and tax transactions.
- Data cleaning, blending and analyzing using Alteryx. Alteryx is considered one of the leading companies in this space. This program is used by accounting, tax and consulting professionals extensively.
- Microsoft Power Query and Power BI, with its native attachment to Microsoft Excel, has become a tool of choice for the consolidation, appending, analyzing and querying data sources in the world of accounting for medium-sized businesses and data sets.
- Python has become an invaluable tool to assist professionals in streamlining processes. You will be introduced to Python an its applications to business processes and problems.

This course will immerse you into several of these technologies with the goal of providing you state-of-the-art tools that will increase your skill sets and provide you with skills you will need to excel in today's business environment.

At the conclusion of this course, you will be able to:

1. Use UiPath to scrape for data and manage files and data tables.
2. Use UiPath to automate a transactional business process
3. Use Alteryx to clean and blend data
4. Use Alteryx to consolidate and analyze data
5. Integrate the Alteryx file with Tableau
6. Use Power Query to extract information from various sources
7. Use Power Query to pivot/unpivot data
8. Use PowerBI to analyze data sets
9. Use Python to automate certain routine processes in Excel.

Date: January 18th - May 8th 2020
Time: Monday 4 PM - 6:45 PM
Location: Irvine Campus IRVC 131

Prerequisites: ACCT 301A, 301B, 302, 307, all with a "C" (2.0) or better, accounting graduate standing

Keep an eye out for ACCT 404 to open for registration on the Spring 2020 schedule (any day now) and be sure to register early!

April Morris coordinates the applied analytics programs for the Department of Accounting at Mihaylo College. She is involved with outside stakeholders such as CPA firms and local companies, securing real data for students to review, merge, clean, and analyze. Ms. Morris has held executive and Board positions with OC companies, including NYSE-listed companies. Her business background combined with her emphasis on Data Analytics provides students with perspectives from real world applications. Ms. Morris is a CPA and is certified in the use of Tableau.