ACCT 4150: Advanced Accounting Systems

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

In-depth coverage of advanced accounting information systems topics that will be critical for future accounting professionals. These include awareness and exposure to SEC coding - XBRL, the use of data analytics in accounting for management support, auditing engagements, internal control tools, etc., advanced excel skills such as pivot tables and lookups, and exposure to an Enterprise Resource Planning system (ERP) used by the vast majority of mid-size and large enterprises throughout the world. Prerequisite(s): Acceptance into the Master of Professional Accountancy (MPA) program.

B. COURSE EFFECTIVE DATES: 08/15/2020 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Data Tools
2. Data Mining
3. XBRL coding

D. LEARNING OUTCOMES (General)

1. apply the basics of data mining and modeling to problems and cases.
2. demonstrate advanced knowledge of how to use of an automated data analytics tool (Tableau.)
3. utilize advanced excel skills including: Pivot tables, Macros, Lookups, and BI tools.
4. explain the purpose of eXtensible Business Reporting Language (XBRL)
5. utilize XBRL coding software for projects and problems.
6. access and evaluate already-developed XBRL taxonomies.
7. analyze and evaluate the objectives of implementing an ERP and system development lifecycle methodology useful for ERP projects.
8. utilize an ERP (Microsoft Dynamics,_ and demonstrate the costs of failure in ERP installation through a case study.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted