Master Syllabus

ACCT 781: Tax Analytics

Prerequisites:

- Admission to the MSA Program or Graduate Certificate in Accounting Analytics
- ACCT 665
- ACCT 671
- or permission of the program director

Programs:

- MS in Accounting Program
- Graduate Certificate in Accounting Analytics
- George Mason University Graduate Program

Course Description:

This course prepares accounting students to be effective tax leaders. It focuses on emerging issues in tax analytics using case studies and applied technologies. The topics include extracting and analyzing tax data for risk analysis, tax strategy, transfer pricing, artificial intelligence, and technology automation related to the tax function. Emerging issues that impact the tax profession are also covered, such as blockchain technologies, information assets and digital currencies.

Course Learning Objectives:

1. Students will learn which analytics techniques are appropriate for decision making related to the tax function.
2. Students will be able to abstract tax data for benchmarking and comparisons.
3. Students will be able to use predictive analytics tools to drive more efficient compliance, reporting, and planning processes.
4. Students will be able to effectively communicate actionable tax strategies to stakeholders.
5. Students will learn how artificial intelligence and machine learning tools are being incorporated to improve tax processes.
6. Students will increase their awareness of the impact of technology on tax professionals.
Text and Learning Materials:

1. Materials include current white papers, custom materials, and selected chapters from textbooks emphasizing state-of-the-art audit analytics. Examples of materials include
2. Technology includes software concurrently used in the audit field such as IDEA, relational database software, graphics software, visualization software.

Core Course Topics:

- Tax analytics for risk analysis and monitoring
- Data flow into the tax function
- Transfer pricing analytics
- Technology automation for tax function and analytics
- Blockchain and cryptocurrencies from a tax perspective
- Artificial intelligence and machine learning in different tax scenarios
- Emerging issues and evolving technologies facing the tax department

Methods of Student Evaluation:

Exams, quizzes, assignments, and an individual term project

Course Grading:

Your grade will be assigned based on the number of points you earn on each assignment. Below is the grading scale.

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<thead>
<tr>
<th>Grade</th>
<th>Total Points</th>
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<tbody>
<tr>
<td>A</td>
<td>90 – 100%</td>
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<tr>
<td>B</td>
<td>80 – 90%</td>
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<tr>
<td>C</td>
<td>70 – 80%</td>
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<td>F</td>
<td>Below 700</td>
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