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| For Academic Affairs and Research Use Only | |
| Proposal Number |  |
| CIP Code: |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[ ] Undergraduate Curriculum Council**

**[XX] Graduate Council**

|  |
| --- |
| **[XX]New Course, [ ]Experimental Course (1-time offering), or [ ]Modified Course (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

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| --- | --- |
| John Robertson11/5/2020 **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| James Doering 11/9/2020 **Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Head of Unit (if applicable)** |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date… | | **Office of Assessment** |  | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| John Mello 11/12/2020 **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
| Melody Lo 11/12/2020 **College Dean** | Alan Utter 2/26/2021  **Vice Chancellor for Academic Affairs** |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **General Education Committee Chair (if applicable)** |  |

1. **Contact Person (Name, Email Address, Phone Number)**

John Robertson [jfrobert@astate.edu](mailto:jfrobert@astate.edu) (870) 972-3739

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

Fall 2021

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a "Modification requested?" prompt need not be completed if the answer is "No."*

|  |  |  |
| --- | --- | --- |
|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)**  *(Indicate "N/A" if no modification)* |
| **Prefix** |  | **ACCT** |
| **Number\*** |  | **6153** |
| **Title** |  | **Audit Analytics** |
| **Description\*\*** |  | An in-depth study of auditing standards and statistical concepts/applications for auditing financial statements necessary to provide a statistically defensible audit opinion. Prerequisites:  upper-level, undergraduate auditing course with a grade of  “C” or better. |
|  |  |  |

***\**** (Confirm with the Registrar's Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

\*\*Forty words or fewer as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? No]**

(Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

YES Are there any prerequisites?

* 1. If yes, which ones?

Upper-level auditing course with a grade of “C” or better.

* 1. Why or why not?

Students must have a basic foundation in statistical analysis and its use in accounting and an understanding of the audit process before beginning the class.

1. NO Is this course restricted to a specific major?
   1. If yes, which major? NO
2. **Proposed course frequency [Modification requested? No]**

(e.g., Fall, Spring, Summer; if irregularly offered, please indicate, "irregular.") *Not applicable to Graduate courses.*

Enter text...

1. **Proposed course type [Modification requested? No]**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Lecture only

1. **Proposed grade type [Modification requested? No]**

What is the grade type (i.e., standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])

Standard Letter

1. NO Is this course dual-listed (undergraduate/graduate)?
2. NO Is this course cross-listed?

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross-listed course.)*

**a.** – If yes, please list the prefix and course number of the cross-listed course.

Enter text...

**b.** – **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

Enter text...

1. NO Is this course in support of a new program?

a. If yes, what program?

Enter text...

1. NO Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested? No]**
2. Introduction, installation of software, review of basic statistical functions
3. Review of common Excel and R statistical functions
4. Fundamentals of auditing financial statements
5. Foundations of audit analytics
6. Analytical Tools to cost-effectively analyze client accounting data
7. Construction of risk assessment matrix based on scientific foundations
8. Analytical review using technical analysis and data collection
9. Scanning business intelligence sources for financial and non-financial data
10. Designing audit programs from a scientific perspective
11. Statistical tools used to conduct interim compliance tests
12. Statistical tools used to conduct cost-effective substantive tests of details
13. Machine learning tools to assess the information in Sarbanes-Oxley reports
14. Statistical tools for forensic examination of financial data
15. Forecasts and valuation
16. Auditing service organizations
17. **Proposed special features** **[Modification requested? No]**

(e.g. labs, exhibits, site visitations, etc.)

None

1. **Department staffing and classroom/lab resources**

The class will use existing facilities and faculty: one graduate faculty member, one regular classroom, or a teaching lab.

1. Will this require additional faculty, supplies, etc.?

No

1. NO Does this course require course fees?

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

Enter text...

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

The field of accounting is experiencing an explosion in the volume of data that accountants/auditors are expected to compile and analyze. Tomorrow's auditors need to effectively use advanced analytical tools and software to analyze and evaluate large datasets. This course is designed to provide students the analytical and technological tools necessary to understand and analyze large datasets related to financial statement audits.

b. How does the course fit with the mission of the department? If course is mandated by an accrediting or certifying agency, include the directive.

Our department's mission is to provide quality education to our students to be competitive in their field (Accounting). This course will reinforce that objective. Audit Analytics is the final course in a series of courses designed to give accounting graduates a strong foundation in data analytics.

c. Student population served.

Students enrolled in the Master of Accountancy (M.Acc.) program

d. Rationale for the level of the course (lower, upper, or graduate).

This course must be graduate-level because the students need to be fluent in statistical terminology/methodology to complete the course materials successfully. This course will build on, and complement, the skills learned in ACCT 4053, ACCT 5133, and ACCT 5183.

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. **Yes / No** Do the proposed modifications result in a change to the assessment plan?

*If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #19 is "Yes")**

1. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

The following learning goals guide program outcomes for the MAcc program:

This course will contribute to the following Program Learning Goals: Outcome #2, Data Analytics and Professional Judgment, and Outcome #4, Communication.

1. Considering the indicated program-level learning outcome/s (from question #19), please fill out the following table to show how and where this course fits into the program's continuous improvement assessment process.

*For further assistance, please see the 'Expanded Instructions' document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 1 (from question #19)** | Data Analytics and Professional Judgment: Students will apply data analysis skills and professional judgment to solve problems and make decisions in a business setting. |
| Assessment Measure | Assessed in ACCT 5183. Students will be assigned a case that includes a large data set. Students will be asked to analyze the data and answer a series of questions that require the student to explain the meaning of the numbers to a non-technical audience and apply professional judgment to select between possible courses of action. The student's answers will be evaluated using a rubric developed by the Accounting Graduate Curriculum Committee. |
| Assessment  Timetable | Beginning Spring semester 2021 and every odd spring thereafter. |
| Who is responsible for assessing and reporting on the results? | The Department Chair and the Accounting Graduate Curriculum Committee are responsible for assessing and reporting results. |

*(Repeat if this new course will support additional program-level outcomes)*

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| **Program-Level Outcome 2 (from question #19)** | Communications: Students will demonstrate an ability to communicate effectively. |
| Assessment Measure | Assessed in ACCT 6073  Students complete a major research paper as their capstone experience in the MAcc. Students will orally present their findings to the class.  The student's papers will be evaluated using a rubric developed by the Accounting Graduate Curriculum Committee, and their oral presentations will be evaluated using a different rubric. |
| Assessment  Timetable | The assessment for communication under the revised learning goals will begin with the spring 2022 and will be repeated in the fall semester of even years thereafter. |
| Who is responsible for assessing and reporting on the results? | The Department Chair and the Accounting Graduate Curriculum Committee are responsible for assessing and reporting results. |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

1. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| --- | --- |
| **Outcome 1** | Students will be able to extract, manipulate, and analyze financial and non-financial data related to a financial statement audit. |
| Which learning activities are responsible for this outcome? | Reading, lectures, homework |
| Assessment Measure | Students will be assigned problems involving a data set and will have to extract relevant data, manipulate the data into usable formats, and analyze it. They will use their professional judgment to identify issues and propose an appropriate audit plan. |

*(Repeat if needed for additional outcomes)*

|  |  |
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| **Outcome 2** | Students will be able to communicate their analysis results using memos, charts, and graphs. |
| Which learning activities are responsible for this outcome? | Reading, lectures, homework |
| Assessment Measure | Students will be assigned problems involving a data set and will have to identify issues, formulate solutions, and communicate results. They will present their results in both technical and non-technical formats. They will use Excel and R to prepare charts and graphs for inclusion in the memo. |

*(Repeat if needed for additional outcomes)*

*(Repeat if needed for additional outcomes)*

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| **Outcome 3** | Students will use statistical tools to build a risk assessment matrix to inform the conduct of a cost-effective audit program. |
| Which learning activities are responsible for this outcome? | Reading, lectures, homework |
| Assessment Measure | Students will be assigned case material and will construct a risk assessment matrix to that supports a scientific foundation for audit scope. |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

|  |
| --- |
| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.** |

BEFORE

ACCELERATED MASTER OF ACCOUNTANCY

The Accelerated Master of Accountancy degree option allows outstanding Arkansas State University undergraduate accounting majors to begin taking Master of Accountancy courses during their senior year. Eligible students are allowed to apply up to 12 hours of graduate credits toward both the

undergraduate and graduate degree requirements. Only courses with a B or better will be eligible to

count for graduate credit. After completing the B.S. degree, this dual counting enables a student to

earn Master of Accountancy degree with only six additional courses (18 credits).

Eligible students receive undergraduate and graduate credit for the following courses:

ACCT 5023 – Advanced Accounting and International Issues

ACCT 5113 – Tax Accounting II

ACCT 5133 – Accounting Statistics

ACCT 5183—Accounting Analytics

The bulletin can be accessed at <https://www.astate.edu/a/registrar/students/bulletins>

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Accounting

Master of Accountancy

University Requirements:

See Graduate Degree Policies for additional information (p. 39)

Program Requirements: Sem. Hrs.

ACCT 5023, Advanced Accounting and International Issues 3

ACCT 5113, Tax Accounting II 3

ACCT 5133, Accounting Statistics 3

ACCT 5183, Accounting Analytics 3

ACCT 6063, Contemporary Auditing Issues 3

ACCT 6073, Applied Professional Research 3

MIS 6473, Data Mining 3

MIS 6543, Business Analytics 3

Sub-total 24

Electives:

Students who did not take Tax Accounting II (ACCT 4113/5113) and Government and Not-For-Profit

Accounting (ACCT 4123/5123) as part of their undergraduate program must include these

courses in the course of study for the MAcc.

Sem. Hrs.

6000-level Business or Accounting elective 6

Sub-total 6

Total Required Hours: 30

The bulletin can be accessed at <https://www.astate.edu/a/registrar/students/bulletins>

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Neil Griffin College of Business

Accounting (ACCT)

ACCT 5023. Advanced Accounting and International Issues Advanced study of accounting concepts and problems in the areas of business combinations, partnerships, and international accounting. Prerequisite: C or better in ACCT 3033.

ACCT 5113. Tax Accounting II A continuation of Tax Accounting I. Emphasis in this course will be on Federal Income Tax Laws for Partnerships, Fiduciaries and Corporations. Prerequisites: ACCT 4013 or ACCT 5013.

ACCT 5133. Accounting Statistics Statistical concepts and applications for accounting and auditing. Coverage includes sampling, probability, hypothesis testing, regression, data mining, and forecasting.

ACCT 5183. Accounting Analytics An in-depth analysis of the application of modern tools to analyze large financial and audit data sets (Big Data). Prerequisite, ACCT 4053 and ACCT 4133 or ACCT 5133 both with a C or better.

ACCT 6003. Accounting for Planning and Control The course is an introduction to the concepts of cost analysis and management control with a focus on the application of the conceptual framework of financial and managerial accounting to practical situations. Prerequisites: ACCT 2133 or 3 hours of MBA 500V.

ACCT 6043. Tax Planning and Research This course introduces the master's degree student to the basic concepts, methods, and tools of tax research. The coverage is broad, exploring the general framework of tax law. Prerequisite: ACCT 4113 or 5113.

ACCT 6063. Contemporary Auditing Issues In-depth study of significant pronouncements of the auditing standards board (Professional Standards Vols. 1 & 2) and from the governmental auditing area. Prerequisite: ACCT 4053 with a C or better.

ACCT 6073. Applied Professional Research This capstone course will culminate in a written issues paper and a presentation of the results of the research. Students must be in their last semester of coursework. A grade of B or better will be required for graduation.

ACCT 6083. Ethics and Professional Responsibility The course will provide the student with a framework for making ethical decisions in the context of accounting. In addition, the course will provide an introduction to professional responsibility with a particular focus on the CPA profession. Prerequisite: Admission to one of the College of Business Graduate Programs.

ACCT 6093. Directed Individual Study Detailed individual research directed by graduate faculty, resulting in a paper and presentation. Consent of instructor and approval of prospectus by graduate business programs director required.

ACCT 6133. Controllership Designed for students seeking a role in corporate accounting.. Topics include: Controller Responsibilities; cost systems; internal control systems; training and supervision; business planning; standard setting, control of costs. Prerequisite ACCT 3053 with C or better.

ACCT 6173. CPA Examination Review 1 The course will review the FAR and BEC portions of the CPA exam with a special focus on complex topics and content that is covered less in a traditional accounting degree program but tested on the CPA Exam. Prerequisite, ACCT 3033 and ACCT 4053. Special course fee, $1,200 or $2,600 if course fee was not paid for ACCT 6183.

ACCT 6183. CPA Examination Review 2 The course will review the Audit and REG portions of the CPA exam with a special focus on complex topics and content that is covered less in a traditional accounting degree program but tested on the CPA Exam. Prerequisite, ACCT 3033 and ACCT 4053. Special course fee, $1,200 or $2,600 if course fee was not paid for ACCT 6173.

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AFTER

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ACCT 5133 – Accounting Statistics

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Accounting

Master of Accountancy

University Requirements:

See Graduate Degree Policies for additional information (p. 39)

Program Requirements: Sem. Hrs.

ACCT 5023, Advanced Accounting and International Issues 3

ACCT 5113, Tax Accounting II 3

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ACCT 5183, Accounting Analytics 3

ACCT 6063, Contemporary Auditing Issues 3

ACCT 6073, Applied Professional Research 3

***ACCT 6153, Audit Analytics 3***

MIS 6473, Data Mining 3

MIS 6543, Business Analytics 3

Sub-total 24

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courses in the course of study for the MAcc.

Sem. Hrs.

6000-level Business or Accounting elective 6

Sub-total 6

Total Required Hours: 30

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