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| For Academic Affairs and Research Use Only |
| Proposal Number | BU03 |
| CIP Code:  |  |
| Degree Code: |  |

**New or Modified Course Proposal Form**

**[ XX] Undergraduate Curriculum Council**

**[] 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.

|  |  |
| --- | --- |
| Dr. Steve Muzatko December 9, 2022**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| James Doering December 9, 2022**Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Head of Unit (if applicable)**   |
|  Philip Tew 12/12/2022**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Mary Elizabeth Spence 12/15/2022**Office of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
| John Robertson 1/4/2023**College Dean** | Len Frey 2/22/2023**Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (if applicable)**   |  |

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

Dr. Steve Muzatko, smuzatko@astate.edu, (870) 972-3988

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

Fall 2023

**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\*** |  | 2703 |
| **Title** (include a short title that’s 30 characters or fewer) |  | Strategic Accounting Technologies I(Proposed short title for Banner: Strategic ACCT Technologies I) |
| **Description\*\*** |  | Fundamental digital skills for accountants. Fall.Prerequisites: ISBA 1503 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 (excepting prerequisites and other restrictions) as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? Yes/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).

1. **Yes / No** Are there any prerequisites? YES
	1. If yes, which ones?

ISBA 1503 Microcomputer Applications with a grade of C or better.

* 1. Why or why not?

Foundational course providing needed background to take Strategic Accounting Technologies I

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

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

FALL

1. **Proposed course type [Modification requested? Yes/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 and lab

1. **Proposed grade type [Modification requested? Yes/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. **Yes / No** Is this course dual-listed (undergraduate/graduate)? No
2. **Yes / No** Is this course cross-listed? No.

*(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. **Yes / No** Is this course in support of a new program? No

a. If yes, what program?

 Enter text...

1. **Yes / 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)? No

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested? Yes/No]**

(The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

COURSE OUTLINE

BASED ON 15 WEEK SEMESTER, CLASS MEETING TWICE EACH WEEK

**WEEK                   CLASS NUMBER                     TOPIC**

      1                                        1                      Course Introduction

      1                                        2                      Formatting Accounting Data

      2                                        3                      Summarizing Accounting Data

      2                                        4                      Summarizing Accounting Data

      3                                        5                      Performing What-if Analysis

      3                                        6                      Performing What-If Analysis

      4                                        7                      Performing What-If Analysis

      4                                        8                      Functions and Charts for accounting data

      5                                        9                      Functions and Charts for accounting data

      5                                        10                    Exploring Financial Tools and Functions

      6                                        11                    Exploring Financial Tools and Functions

      6                                        12                    Exploring Financial Tools and Functions

      7                                        13                    Analyzing Data with Business Intelligence tools

      7                                        14                    Analyzing Data with Business Intelligence tools

      8                                        15                    Basic Accounting Data Wrangling

      8                                        16                    Basic Accounting Data Wrangling

      9                                        17                    Introduction to Analytics Automation Tools

      9                                        18                    Introduction to Analytics Automation Tools

      10                                      19                    Introduction to Analytics Automation Tools

      10                                      20                    Analysis Project Presentations

      11                                      21                    Analysis Project Presentations

      11                                      22                    Analysis Project Presentations

      12                                      23`                  Introduction to Data Analytics

      12                                      24                    Introduction to Data Analytics

      13                                      25                    Introduction to Data Analytics

      13                                      26                    Financial Audit Sampling

      14                                      27                    Financial Audit Sampling

      14                                      28                    Histograms, Outliers, and Distributions

      15                                      29                    Histograms, Outliers, and Distributions

      15                                      30                    Histograms, Outliers, and Distributions

1. **Proposed special features** **[Modification requested? Yes/No]**

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

Enter text...

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

One Faculty, Computer Lab

1. Will this require additional faculty, supplies, etc.? No.

 Enter text...

1. **Yes / No** Does this course require course fees? No.

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

Emerging accounting technologies now include the integration of advanced Excel skills with Alteryx automation.

* **Qasim, et al. (2020)** suggest that “*students need to be introduced to data analysis in a progressive or sequential way.*”
* **Kotb, et al. (2013)** recommended that “*students should first be introduced to an introductory course in accounting technologies*.”
* **The Tax Advisor (2022):** “*To accomplish full integration of technology that meets the somewhat vague but high expectations of employers — and prepares students for the CPA Exam's assessment of technology and digital acumen — all accounting courses will need to incorporate advanced use of technology, big data, and data analytics. A realistic strategy would be to phase in technology in a way that complements and enhances current course content across the curriculum.”*
* **Qasim and Kharbat (2020)** suggested “*adding an introductory course in the accounting curriculum that introduces students to blockchain, data analytics, and artificial intelligence applications in the accounting profession.*”
* **IMA Management Accounting Quarterly (2021):** “*Grant Thorton LLP Grant Thornton LLP considers auditors’ proficiency with Excel and Access a minimum and expects experience with … Alteryx.”*

Goals for the course, (skills or level of knowledge students can be expected to attain):

 Introduce how to do accounting analytics using Excel with Alteryx

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

The course fits in directly with the mission of the Accounting Department and is not mandated by an accrediting or certifying agency.

1. Student population served.

Undergraduate students at the Sophomore level

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

This is an introductory course needed for more advanced courses at higher levels

**Assessment**

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

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

 *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 #18 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?

Outcome SLO-1: Demonstrate the ability to communicate accounting information effectively in writing.

 Outcome SLO-2: Graduates of the undergraduate Accounting program at the NGCoB will be able to apply technology as a decision tool in the analysis and identification of solutions to accounting issues.

SLO-3: Think critically about accounting issues and topics

Where: This new course will reinforce outcome: SLO-1, SLO-2, and SLO 3 for students.

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.*

|  |  |
| --- | --- |
| **Program-Level Outcome 1 (from question #19)** | SLO-1 Demonstrate the ability to communicate accounting information effectively in writing. |
| Assessment Measure | Assessed in Acct 4053 Auditing Direct - Case assignment focusing on Student Writing Skills. Indirect – Assessment Office Survey - The BS Accounting Assessment Leader will contact the Assessment Office for the BS Accounting students survey responses from the Leaving the Den exit survey. Data will be provided annually but the Accounting Faculty are responsible for determining how they will utilize the data. |
| Assessment Timetable | Once every three years beginning fall 2022 |
| Who is responsible for assessing and reporting on the results? | Accounting faculty and Department Chair |
|  |  |

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

|  |  |
| --- | --- |
| **Program-Level Outcome 2 (from question #19)** | SLO-2 **Graduates of the undergraduate Accounting program at the NGCoB will be able to apply technology as a decision tool in the analysis and identification of solutions to accounting issues.** |
| Assessment Measure | Assessed in Acct 4183 Accounting Analytics II Direct - With rubric. Indirect – Assessment Office Survey - The BS Accounting Assessment Leader will contact the Assessment Office for the BS Accounting students survey responses from the Leaving the Den exit survey. Data will be provided annually but the Accounting Faculty are responsible for determining how they will utilize the data. |
| Assessment Timetable | Once every three years beginning spring 2022 |
| Who is responsible for assessing and reporting on the results? | Accounting faculty and Department Chair |
|  |  |

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

|  |  |
| --- | --- |
| **Program-Level Outcome 3 (from question #19)** | SLO-3 Think critically about accounting issues and topics |
| Assessment Measure | Assessed in Acct 4023 Advanced Accounting Direct - Case assignment focusing on student Critical Thinking abilities. Will need rubric by Spring 2022Indirect – Assessment Office Survey - The BS Accounting Assessment Leader will contact the Assessment Office for the BS Accounting students survey responses from the Leaving the Den exit survey. Data will be provided annually but the Accounting Faculty are responsible for determining how they will utilize the data. |
| Assessment Timetable | Once every three years beginning spring 2022 |
| Who is responsible for assessing and reporting on the results? | Accounting faculty and Department Chair |
|  |  |

 *(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?

|  |  |
| --- | --- |
| **Outcome 1** | By successfully completing this course, students will be able to:describe the fundamentals of analytics automation tools |
| Which learning activities are responsible for this outcome? | Classroom Lectures, Practice Problems, homework |
| Assessment Measure  | Direct measures will be obtained through class examinations and indirect measure by completion of the B. S. in Accounting |

*(Repeat if needed for additional outcomes)*

|  |  |
| --- | --- |
| **Outcome 2** | By successfully completing this course, students will be able to:create and manipulate accounting data |
| Which learning activities are responsible for this outcome? | Classroom Lectures, Practice Problems, homework |
| Assessment Measure  | Direct measures will be obtained through class examinations and indirect measure by completion of the B. S. in Accounting |

*(Repeat if needed for additional outcomes)*

|  |  |
| --- | --- |
| **Outcome 3** | By successfully completing this course, students will be able to:organize and analyze accounting data |
| Which learning activities are responsible for this outcome? | Classroom Lectures, Practice Problems, homework |
| Assessment Measure  |  Direct measures will be obtained through class examinations and indirect measure by completion of the B. S. in Accounting  |

*(Repeat if needed for additional outcomes)*

|  |  |
| --- | --- |
| **Outcome 4** | By successfully completing this course, students will be able to:present accounting data visually |
| Which learning activities are responsible for this outcome? | Classroom Lectures, Practice Problems, homework |
| Assessment Measure  | Direct measures will be obtained through class examinations and indirect measure by completion of the B. S. in Accounting |

*(Repeat if needed for additional outcomes)*

|  |  |
| --- | --- |
| **Outcome 5** | By successfully completing this course, students will be able to:perform elementary level data wrangling and cleansing tasks using real world accounting datasets |
| Which learning activities are responsible for this outcome? | Classroom Lectures, Practice Problems, homework |
| Assessment Measure  | Direct measures will be obtained through class examinations and indirect measure by completion of the B. S. in Accounting |

*(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: URL for the Accounting BS, 2022-2023.

<https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77>

* [ISBA 2033 - Programming Fundamentals](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ISBA 3533 - Microcomputer Applications II](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 3003 - Intermediate Accounting I](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 3013 - Intermediate Accounting II](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 3053 - Cost Accounting with a Managerial Emphasis](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4013 - Tax Accounting I](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4023 - Advanced Accounting and International Issues](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4033 - Accounting Information Systems](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4053 - Auditing I](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4113 - Tax Accounting II](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4133 - Accounting Statistics](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4123 - Government and Not-For-Profit Accounting](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4183 - Accounting Analytics](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [LAW 4043 - Law of Business Organizations](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**

After: For the 2023-2024 bulletin:

[ISBA 2033 - Programming Fundamentals](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**

ACCT 2703- Strategic Accounting Technologies I Sem. Hrs: 3

Fundamental digital skills for accountants. Fall.

Prerequisites: ISBA 1503 with a grade of C or better.

* [ISBA 3533 - Microcomputer Applications II](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 3003 - Intermediate Accounting I](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 3013 - Intermediate Accounting II](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 3053 - Cost Accounting with a Managerial Emphasis](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4013 - Tax Accounting I](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4023 - Advanced Accounting and International Issues](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
* [ACCT 4033 - Accounting Information Systems](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**
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* [LAW 4043 - Law of Business Organizations](https://catalog.astate.edu/preview_program.php?catoid=3&poid=479&returnto=77) **Sem. Hrs:** **3**