Date Submitted: 10/21/19 2:34 pm

Viewing: **5538: Data Analytics in Accountancy**

Last approved: 08/13/19 10:08 am
Last edit: 01/21/20 11:18 am
Changes proposed by: Whitney Smith

**Catalog Pages**

Using this Program

**Data Analytics in Accountancy Graduate Concentration**

**In Workflow**
1. U Program Review
2. 1346 Head
3. KM Grad Committee Chair
4. KM Committee Chair
5. KM Dean
6. University Librarian
7. Grad_College
8. Provost
9. Senate EPC
10. Senate
11. U Senate Conf
12. Board of Trustees
13. IBHE
14. DMI

**Approval Path**
1. 10/21/19 4:21 pm
   Deb Forgacs (dforgacs): Approved for U Program Review
2. 10/21/19 4:51 pm
   Brooke Elliott (wbe): Approved for 1346 Head
3. 10/25/19 2:45 pm
   Jeffrey Loewenstein (jloew): Approved for KM Grad Committee Chair
4. 11/04/19 5:08 pm
   Michael Dyer (dyer1): Approved for KM Committee Chair
5. 11/04/19 6:44 pm
Mark Peecher (peecher):
Approved for KM Dean

6. 11/04/19 7:47 pm
John Wilkin (jpwilkin):
Approved for University Librarian

7. 11/19/19 7:05 pm
Allison McKinney (agrindly):
Approved for Grad_College

8. 11/19/19 7:17 pm
Kathy Martensen (kmartens):
Approved for Provost

9. 12/13/19 9:51 am
Barbara Lehman (bilehman):
Rollback to 1346 Head for Senate EPC

10. 12/16/19 12:08 pm
Brooke Elliott (wbe): Approved for 1346 Head

11. 12/16/19 1:40 pm
Jeffrey Loewenstein (jloew): Approved for KM Grad Committee Chair

12. 12/16/19 2:34 pm
Michael Dyer (dyer1): Approved for KM Committee Chair

13. 12/16/19 8:26 pm
Mark Peecher (peecher):
Proposal Type

Proposal Type: Concentration (ex. Dietetics)

This proposal is for a:

Revision

Proposal Title:

if this proposal is one piece of a multi-element change please include the other impacted programs here. example: A BS revision with multiple concentration revisions

Revision to the Data Analytics Concentration. Revision to the Master of Accounting Science (MAS) degree course requirements. This is one element of a larger proposal from the Department of Accountancy. Other related proposals are: 1) revision to the Taxation Concentration in the Accountancy MAS; 2) revision to the Accountancy MAS; 3) establishment of the Concentration in Accountancy Analytics; and 4) establishment of the Concentration in Financial Reporting & Assurance. migration
Program Description and Justification

Justification for proposal change:

We propose to change the course requirements for the Concentration in Data Analytics in Accountancy. This concentration will continue to require students to take 12 graduate hours of required coursework; however, the options for the required courses in the concentration will change. Currently, students must take ACCY 570 (Data Analytics Foundations for Accountancy), ACCY 571 (Statistical Analyses for Accountancy) and ACCY 575 (Data Analytics Application in Accountancy). We propose to continue to require students take ACCY 570 and ACCY 575, but allow the remaining course be selected from an approved list of courses. The course options at this time includes ACCY 571 as well as newly developed data analytic courses: ACCY 512 (Data Analytics for Management Accounting), ACCY 574 (Risk Management and Innovation), ACCY 550 (Multistate Taxation), ACCY 554 International Taxation), and ACCY 592 (Intro to ACCY Research). ACCY 550 and ACCY 554 have significant stand-alone analytics components that allow them to serve a dual purpose. The courses satisfy the elective requirements in both the Taxation concentration and the Data Analytics concentration.

Is this program interdisciplinary?

No

Corresponding Program(s):
<table>
<thead>
<tr>
<th>Corresponding Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountancy, MAS</td>
</tr>
<tr>
<td>Accountancy, MS (on campus &amp; online)</td>
</tr>
</tbody>
</table>

Academic Level  Graduate

Additional concentration notes (e.g., estimated enrollment, advising plans, etc.)

CIP Code

Is This a Teacher Certification Program?  No

Will specialized accreditation be sought for this program?  No

**Enrollment**

Describe how this revision will impact enrollment and degrees awarded.

*This revision will not impact enrollment or degrees awarded.*

**Delivery Method**

Is this program available on campus and online?  Yes No

This program is available:
  - On Campus and Online

Describe the use of this delivery method:

*This concentration is available on campus and online.*

**Budget**

Are there budgetary implications for this revision?  No

Will the program or revision require staffing (faculty, advisors, etc.) beyond what is currently available?
No

Additional Budget Information

Attach File(s)

Resource Implications

Facilities

Will the program require new or additional facilities or significant improvements to already existing facilities?

   No

Technology

Will the program need additional technology beyond what is currently available for the unit?

   No

Non-Technical Resources

Will the program require additional supplies, services or equipment (non-technical)?

   No

Resources

Faculty Resources

Please address the impact on faculty resources including any changes in numbers of faculty, class size, teaching loads, student-faculty ratios, etc. Describe how the unit will support student advising, including job placement and/or admission to advanced studies.

   We do not expect there to be any additional impact on faculty resources, class size, teaching loads, or ratios. As the Gies College of Business and the Department of Accountancy continues to develop courses in the analytics space, resources have been shifted through the natural turnover process.

Library Resources

Describe your proposal's impact on the University Library's resources, collections, and services. If necessary please consult with the appropriate disciplinary specialist within the University Library.

   There will not be an impact on the University's Library resources.

Instructional Resources

Will there be any reduction in other course offerings, programs or concentrations by your department as a result of this new program/proposed change?
Does this new program/proposed change result in the replacement of another program?

No

Does the program include other courses/subjects impacted by the creation/revision of this program?

No

Financial Resources

How does the unit intend to financially support this proposal?

Will the unit need to seek campus or other external resources?

No

Attach letters of support

Program Regulation and Assessment

Briefly describe the plan to assess and improve student learning, including the program’s learning objectives; when, how, and where these learning objectives will be assessed; what metrics will be used to signify student’s achievement of the stated learning objectives; and the process to ensure assessment results are used to improve student learning. (Describe how the program is aligned with or meets licensure, certification, and/or entitlement requirements, if applicable).

Is the career/profession for graduates of this program regulated by the State of Illinois?

No

Program of Study

"Baccalaureate degree requires at least 120 semester credit hours or 180 quarter credit hours and at least 40 semester credit hours (60 quarter credit hours) in upper division courses" (source: https://www.ibhe.org/assets/files/PrivateAdminRules2017.pdf). For proposals for new bachelor’s degrees, if this minimum is not explicitly met by specifically-required 300- and/or 400-level courses, please provide information on how the upper-division hours requirement will be satisfied.

All proposals must attach the new or revised version of the Academic Catalog program of study entry. Contact your college office if you have questions.

Revised programs  

- Data Analytics in Accountancy
- Program of Study Comparison.xlsx
Attach a side-by-side comparison with the existing program
AND, if the revision references or adds “chose-from” lists of
courses students can select from to fulfill requirements, a listing
of these courses, including the course rubric, number, title, and
number of credit hours.

Catalog Page Text

Catalog Page Text: Description of program for the catalog page. This is not official content, it is used
to help build the catalog pages for the program. Can be edited in the catalog by the college or
department.

Statement for Programs of Study Catalog

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY 570</td>
<td>Data Analytics Foundations for Accountancy</td>
<td>4</td>
</tr>
<tr>
<td>ACCY 575</td>
<td>Data Analytics Applications in Accountancy</td>
<td>4</td>
</tr>
<tr>
<td>Choose one (1) from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCY 571</td>
<td>Statistical Analyses for Accountancy</td>
<td>4</td>
</tr>
<tr>
<td>ACCY 512</td>
<td>Data Analytics for Management Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCY 574</td>
<td>Risk Management and Innovation</td>
<td></td>
</tr>
<tr>
<td>ACCY 592</td>
<td>Introduction to Accounting Research</td>
<td></td>
</tr>
<tr>
<td>or both:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCY 550</td>
<td>Multistate Taxation</td>
<td></td>
</tr>
<tr>
<td>ACCY 554</td>
<td>International Taxation</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours 12

Grad Other Degree Requirements

Course substitutions may be approved by the Department of Accountancy.
Other requirements may overlap.

EP Documentation

Attach ep2050_email to sponsor_20191213.pdf
Rollback/Approval Notices

DMI Documentation

Attach Final Approval Notices

Banner/Codebook
Name
<table>
<thead>
<tr>
<th>Program Code</th>
<th>5538</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor Code</td>
<td></td>
</tr>
<tr>
<td>Conc Code</td>
<td>5538</td>
</tr>
<tr>
<td>Degree Code</td>
<td></td>
</tr>
<tr>
<td>Major Code</td>
<td></td>
</tr>
</tbody>
</table>

|Senate Approval Date|      |
|Senate Conference Approval Date|      |
|BOT Approval Date|      |
|IBHE Approval Date|      |
|Effective Date|      |

Attended Document

Justification for this request

Program Reviewer Comments

**Barbara Lehman (bjlehman) (12/13/19 9:51 am):** Rollback: Rolling back per email from Educational Policy to Professor W Brooke Elliott - attached.
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY 570</td>
<td>Data Analytics Foundations for Account</td>
<td>4</td>
</tr>
<tr>
<td>ACCY 571</td>
<td>Statistical Analyses for Accountancy</td>
<td>4</td>
</tr>
<tr>
<td>ACCY 575</td>
<td>Data Analytics Applications in Accountancy</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>
### Proposed

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY 570</td>
<td>Data Analytics Foundations for Accountancy</td>
<td>4</td>
</tr>
<tr>
<td>ACCY 575</td>
<td>Data Analytics Applications in Accountancy</td>
<td>4</td>
</tr>
</tbody>
</table>

Take one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY 512</td>
<td>Data Analytics for Management Accounting</td>
</tr>
<tr>
<td>ACCY 571</td>
<td>Statistical Analyses for Accountancy</td>
</tr>
<tr>
<td>ACCY 574</td>
<td>Risk Management and Innovation</td>
</tr>
<tr>
<td>ACCY 592</td>
<td>Intro to ACCY Research</td>
</tr>
</tbody>
</table>

or both

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY 550</td>
<td>Multistate Taxation (2hr 8 week class SPRING only)</td>
</tr>
<tr>
<td>ACCY 554</td>
<td>International Taxation (2hr 8 week class SPRING only)</td>
</tr>
</tbody>
</table>

**Total Hours** 12
Prof. Elliot -

In the review of EP.20.48-51 the committee identified a few small issues that they’d like to see fixed before approval. All of these are small and I anticipate that we can quickly move this forward at our next meeting if they have been resolved in CIM-P.

1. There seems to be a typo in EP.20.48 relating to whether Corporate Governance & International Business is a concentration. In the justification for proposal change it is listed, but in the Statement for Programs of Study Catalog, it is not listed and Financial Reporting & Assurance is listed for both concentrations. (At the meeting this caused confusion, but I think I’ve now sorted out the cause.)

2. In EP.20.48, the comparison spreadsheet is missing the existing program requirements.

3. In EP.20.50, it seems a little odd that ACCY 550 and ACCY 554 are part of the Data Analytics concentration. I’m guessing that this is due to practical realities of students taking the Taxation concentration needing these courses as a degree option, but some explanation would be useful.

3(a). While you have EP.20.50 open, there is an open paren missing in "CCY 554 International Taxation), “ in the "Justification for proposal change”.

4. In EP.20.51, the comparison spreadsheet is missing the existing program requirements for the Audit option that this is replacing. Please follow the structure that you used in EP.20.49.

Barb (cc’ed) will roll EP.20.48, 50, and 51 for you. I think we’re okay with EP.20.49 as written, but if you want Barb to roll that one back as well, please let her know.

Also, let me know if you have any questions.

— Craig