**Short-Term Assessment Planning Template**

**Academic Year: 2021-22**

**Name of Program: BS Data Science and Analytics**

**Extenal Review-Program Accreditor or ADHE Program Review: ADHE Program Review**

**Year of External Review: 2030-31**

**Assessment Leader Name: Jason Causey**

1. **What Program Learning Outcome/s are being assessed? (add rows as needed)**

|  |  |
| --- | --- |
| Learning Outcome/s |  |
| PLO1 | Critically assess and remediate issues with data organization and data quality |
| PLO 2 |  |

1. **What is/are the assessment measures/s for the PLOs?**

|  |  |
| --- | --- |
| Assessment Measure/s | Measure Name & Description |
| PLO 1 | Final Project and Exit Survey |
| PLO 2 |  |

1. **List the elements faculty want to see in the assessment measures? Another way to look at this question is to outline the operational definition of the learning outcome or list the key performance indicators faculty want to see in the assessment measure/s.**

|  |  |
| --- | --- |
| Assessment Measure/s: | Operational Definition or Key Performance Indicators |
| Final Project | Use SQL to pull the data needed to solve a problem or answer a question  Use data definitions to analyze data organization and quality  Use tools to validate data  Use error codes to quickly solve problems with data transfer |
| Exit Survey | Survey questions related to students’ growth or confidence to find and solve data organization and quality problems |

1. **What courses will the assessment measure be embedded; who is teaching these courses; what modality; and what semester? (Remember to include in the syllabus)**

|  |  |  |  |
| --- | --- | --- | --- |
| Course name and section number | Professor Name | Modality | Semester |
| DATA 4013 - 01 | R. Smith | TR | Fall 2021 |
| DATA 4013 - 02 | M. Brown | WEB | Spring 2022 |

1. **Will the assessment measure be for a course grade and what percent of the total grade? (This can be different for each professor to respect academic freedom; however, if the measure is not for a grade or is bonus, the data will be skewed)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Course name and section number | Professor Name | Modality | Semester | Grade and percent of total grade? |
| DATA 4013 - 01 | R. Jones | TR | Fall 2021 | Graded project; 25% of course grade  Survey completion: honest effort points for 5% of total grade |
| DATA 4013 - 02 | M. Brown | WEB | Spring 2022 | Graded project; 50% of course grade  Survey completion: honest effort points for 1% of grade |

1. **Have the faculty developed the instruments (based on operational definitions/KPIs previously mentioned) for the assessment measure/s? Yes or No**
   1. **If yes, have the faculty been notified to use the instrument in their classes? Or, will the instrument be applied after the courses are completed in another venue?**
   2. **If no, the instrument should be developed by the faculty for use. Faculty should have the instruments in hand 3-6 months prior to the course start.**

Meeting set for August 16, 2021 at 9 am to develop rubric

1. **How will the assessment leader capture the data?** 
   1. **If there are multiple sections of courses, what software/system will be used to aggregate data across all sections of courses? (LMS, Survey Monkey, Qualtrics, Google Sheets, other?)**

Embed rubric into Blackboard for project—contact Faculty Center for assistance?

Google Sheets for presentation with advisory board—contact Assessment Office for assistance and example?

Survey will be launched in Qualtrics. Must get training from Assessment Office.

* 1. **Are all faculty trained to submit student data into the software/system? Yes or No.** 
     1. **If yes, do you need to run a pilot to be sure?**
     2. **If no, how and when will you train the faculty?**

Setup training with Faculty Center and Assessment Office for early September 2021

* 1. **Are you planning to incorporate external stakeholders into the data collection process? Yes or No.** 
     1. **If yes, have these individuals been recruited and trained?**
     2. **If no, who are these individuals and do they need an orientation to the process?**

Google Sheets for presentation with advisory board—contact Assessment Office for assistance and example?

Date for advisory board meeting?

* 1. **When will the data be compiled?**

Classes are throughout the year so data should be compiled in early May 2022

1. **Miscellaneous items to consider:**
   1. **Are there new faculty starting in the semester this outcome is being assessed who will be responsible for assisting with the assessment process?**

**No**

* 1. **Are part-time faculty aware of the assessment process and properly trained?**

No part-time faculty

* 1. **Are there additional locations where these courses are being offered? Do the faculty at the additional locations need to be acclimated to the process?**

Yes. ASU CQ. Must call Andre’ and get his help to embed in the courses at CQ

* 1. **Will you calculate additional reliability and/or validity statistics and have you contacted other offices for additional data or help? For example, inter-rater reliability; validity correlations with certification/licensure exam scores; factor analysis for surveys; variance testing of groups; triangulation of emerging themes from qualitative focus groups or interviews.**

Will conduct correlations between advisory board scores on presentation and faculty scores

Survey data will be analyzed for differences within demographic groups of students