COURSE ASSESSMENT REPORT

I. Background Information

1. Course assessed:

    Course Discipline Code and Number: UAS 230
    Course Title: Construction Supervision V: Scheduling and Project Management
    Division/Department Codes: HAT/UAS

2. Semester assessment was conducted (check one):
    - ☒ Fall 2012
    - ☐ Winter 20__
    - ☐ Spring/Summer 20__

3. Assessment tool(s) used: check all that apply.
    - ☐ Portfolio
    - ☒ Standardized test
    - ☐ Other external certification/licensure exam (specify):
    - ☐ Survey
    - ☐ Prompt
    - ☐ Departmental exam
    - ☐ Capstone experience (specify):
    - ☒ Other (specify): Blind scoring (using established rubric) of a random sample of construction-related projects created in MS Project files for Outcome #2.

4. Have these tools been used before?
    - ☐ Yes
    - ☒ No

    If yes, have the tools been altered since its last administration? If so, briefly describe changes made.

5. Indicate the number of students assessed/total number of students enrolled in the course.

    Sixty-eight students of the 84 registered students were assessed from the timeframe spanning Spring/Summer 2007 through Fall 2011. Nine of these 84 students are still working on the course and a number of W grades have been submitted for non-completers and non-participators.

6. Describe how students were selected for the assessment.

    Data from the standardized tests (course outcome #1) was comprehensive and easily accessible for 68 students completing the course. The data was collected from the online course site in Blackboard.

    For the MS Project assessment (course outcome #2), a random sampling of 15 students' construction-related projects were externally evaluated using criteria outlined in a rubric. There were five students selected from each of the Construction Supervision degrees: CTCNS, APCNSP, and ASCNSV. Students were assigned a unique identifier to be blind-scored. This assessment is also used as the program assessment for the Construction Supervision program and it was important to capture samples from each of the certificate/degree areas.

II. Results

1. Briefly describe the changes that were implemented in the course as a result of the previous assessment.

    This is the first formal assessment of this course; however the course assessment tools have had ongoing modification in response to student and instructor identification of problematic test questions.

2. List each outcome that was assessed for this report exactly as it is stated on the course master syllabus.

    Outcomes as stated are:

    1) Identify the various processes involved with schedule development and schedule management.

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2) Develop a schedule within Microsoft Project.

3. For each outcome that was assessed, indicate the standard of success exactly as it is stated on the course master syllabus. *(You can copy and paste these from CurricUNET's WR report.)*

1) Item analysis: 80% of students with 85% or better correct responses.

2) Student project: 80% with an average score of 80% or better on externally evaluated construction-related project.

4. Briefly describe assessment results based on data collected during the course assessment. Indicate the extent to which students are achieving each of the learning outcomes listed above and state whether the standard of success was met for each outcome. *In a separate document, include a summary of the data collected and any rubrics or scoring guides used for the assessment.*

Based on assessment of the data from the test questions and scores, students demonstrated a clear ability to identify the various processes involved with schedule development and schedule management. The few problematic questions that were identified will be reviewed and revised for clarity.

1) Identify various processes involved with schedule development and schedule management.

Fifty-nine of the sixty-eight students assessed (86.8%), provided at least 85% correct responses to the assessment questions. There was a 91.2% correct response rate.

2) Develop a schedule within Microsoft Project.

Twelve of the fifteen students (80%) assessed achieved at least 80% correct through the external blind-scoring of their construction related student projects created in Microsoft Project. There was an 87.57% correct response rate. The evaluator could not open/access two of the student's computer files resulting in lower and/or no score. (Note: we were unable to provide alternative files.)

5. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in the assessment results. *(This should be an interpretation of the assessment results described above and a thoughtful analysis of student performance.)*

Strengths: Students exceeded the standard of success that was used for this assessment, confirming that the UAS 230 course assessments (tests and exams) are appropriately aligned with the objectives and course content.

Weaknesses: One assessment question was immediately addressed as students achieved success only 38.2% of the time.

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses. *(If students met all expectations, describe your plan for continuous improvement.)*

Item analysis with correct responses of 84% or lower were reviewed. Content and poor wording were both addressed to improve student success.

While students met the overall course expectations, the plan for continuous improvement includes implementing a newer textbook edition and reviewing all quiz questions as a result.

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2. Identify intended changes that will be instituted based on results of this assessment activity (check all that apply). Please describe changes and give rationale for change.

    a. ☒ Outcomes/Assessments on the Master Syllabus

    Change/rationale: The outside scoring by a third party evaluator criterion will be removed. This evaluation validated the assessment tool by producing similar results as those reported by the course instructor. However, the third party evaluation is not sustainable due to the cost of this evaluation and the time investment from staff. In addition, the UA specific assessment criterion is no longer valid and will be removed because the Construction Supervision (UAS) program is now open to multiple building trades.

    b. ☐ Objectives/Evaluation on the Master Syllabus
    Change/rationale:

    c. ☐ Course pre-requisites on the Master Syllabus
    Change/rationale:

    d. ☐ 1st Day Handouts
    Change/rationale:

    e. ☐ Course assignments
    Change/rationale:

    f. ☐ Course materials (check all that apply)
        ☐ Textbook
        ☐ Handouts
        ☐ Other:

    g. ☐ Instructional methods
    Change/rationale:

    h. ☐ Individual lessons & activities
    Change/rationale:

3. What is the timeline for implementing these actions?

The quiz questions will be revised with the implementation of a new textbook for this course. This is to be completed for the Spring Summer 2012 semester.

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this course.

The assessment tool was effective in measuring the core course contents.

2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

3. Which outcomes from the master syllabus have been addressed in this report?
    All   X   Selected _____
If "All", provide the report date for the next full review: Fall 2015

If "Selected", provide the report date for remaining outcomes: _____.

Submitted by:

Print: C Byrne   Signature _____   Date: 6·21·2012
    Faculty/Preparer

Print: N/A   Signature _____   Date: _____
    Department Chair

Print: _____   Signature _____   Date: 6/25/2012
    Dean/Administrator
        JAMES C EGAN

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