

Program Learning Outcomes Plan – Civil/Surveying Engineering Technology

Start of the Academic Year 2012-2013

Please use this form as you begin your planning cycle for the up-coming Academic Year. You will want to connect this work to the plan from the prior year and the long-term plan for your program. **Please only fill out the sections relevant to your program. You do not have to fill out all sections of this form.**

Please return by **October 1st** to Jessica King: jking84@valenciacollege.edu
 Please send questions to Laura Blasi, Director, Institutional Assessment lblasi@valenciacollege.edu

How this relates to your Program Improvement Plan: This “new cycle template” is where you and your colleagues describe the next phase of your plan to be accomplished in the 2012-2013 Academic Year. Use this template to describe what you plan to do to implement the plan for improvements (identified in spring of 2012) over this upcoming year and write out the next program outcome you and your colleagues will assess and your plan for

Academic Program / Discipline Area (for General Education) or Co-Curricular Program Area:

1. What is your program name? **A.S. – Civil/Surveying Engineering Technology**
2. Does this academic year’s improvement plan (2012-2013) build on your work from last year (2011-2012)? If so, how... (1-2 sentences)
Yes. The adjunct teaching SUR2460 Subdivisions has been working to refine and improve the final project in this capstone course.

Planning Team Leader(s) ¹	Campus	E-mail Address	Phone Extension	Mail Code
Andrew Ray	West	ARay@valenciacollege.edu	1847	4-41
Planning Team Members ²	Campus	E-mail Address	Phone Extension	Mail Code
Frank Fountain	Adjunct	FFountain@valenciacollege.edu	407.445.7185 home	4-41
Irma Berner	East	IBerner@valenciacollege.edu	2627	3-25

¹ Planning Team Leaders assume the responsibility for coordinating activities associated with the expectations for the design, approval and implementation of Assessment Plans.

² Planning Team membership, whenever possible, should reflect the **Principles for selection of members for assessment plan work teams**. For faculty teams the principles include: College-wide representation where possible; Full-time faculty from the respective program / discipline (tenured, tenure track, and non-tenure earning 4 / 8 / 10 month faculty); Adjunct faculty when an adequate number of full-time faculty do not teach in the program / discipline; Faculty from both disciplines or programs when an outcome is assessed in two programs or a program other than the primary discipline. For plans developed in Student Affairs planning teams should include the following: College-wide representation where possible; Staff from the targeted program area; Part-time Student Affairs professionals when an adequate number of full-time staff do not work in the targeted program area; Faculty / staff from other program / discipline areas working on the same or similar outcomes; Student representation when possible.

Learning Outcomes and Performance Indicators

Academic Program / Discipline Area (for General Education) or Co-Curricular Program Area: Civil/Surveying Engineering Technology	
Major finding from last year and related change, if any: Final project assignment could use further refinement regarding the qualities/description of good subdivision design, since this project counts for 40% of the course grade	
Services needed as a result of the finding (Student Learning Support, Faculty Development, etc.): None	
Targeted Program Learning Outcome(s) (PLOs) for this year: Solve civil engineering and surveying problems by applying fundamental knowledge of mathematical, computational, scientific and engineering concepts.	Targeted Course(s), Co-Curricular Program or Student Activity associated with the Academic Program: SUR2460 Subdivisions
Is this a different outcome from the one reported last year? (yes /no) No	
Does this assessment for this year apply to more than one PLO? (yes /no) Yes	
National Standard(s): None <small>(This could be specific to your field or focused on overall undergraduate competencies from a national organization. Contact Laura Blasi for examples / ideas. lblasi@valenciacollege.edu)</small>	Targeted Outcome(s) within the Course(s), Co-Curricular Program or Student Activity identified above: Demonstrate fundamental civil engineering skills and proficiency in the use of industry software
Performance Indicators for the Program Learning Outcome(s) selected: Satisfactory performance on Final Exam and successful completion of Final Project, which utilizes fundamental civil engineering skills and proficiency in the use of industry software	Performance Indicators for Outcome(s) within the Course(s), Co-Curricular Program or Student Activity selected: Successful performance as determined by project evaluation grading criteria
Prediction (Given what you know about your students, how you expect them to perform? What do you expect to see? You will be able to compare your beliefs to the results that you receive at the end of this assessment cycle) Based on past performance, most students will be able to successfully complete the assigned project. The instructor has implemented project milestones to gauge student progress during the semester, and has devoted more lab time to reviewing the software and provide timely feedback to students on their designs.	

Common Assessment – What assessment method (written assignment, speech, test, etc.) will you use to assess student ability related to the program / course outcome(s) selected:

Final exam and individual Final Project

Description of the Proposed Common Assessment – Common assessments should be designed to ensure a balance between (1) the need for a consistency within the program in order to ensure comparable student artifacts and (2) the need for reasonable flexibility in order to encourage faculty judgment in the design and delivery of learning activities:

The final project incorporates many of the skills developed during prerequisite courses; given a site plan of undeveloped land, the students are required to design a subdivision with platted lot boundaries, road sections and profiles of soils and paving, including earthwork cut & fill calculations.

What is the approximate number of students that you expect to assess? (Please indicate “Do not know at this time” if that is the case)

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Implementation Process

Planning for Communication and the Collection of Student Artifacts / Data

1. When will faculty seek or receive feedback on the design of the assessment, the rubrics, etc.?

By November 20, 2012

2. How will student artifacts or data associated with student performance be collected?

Instructor will collect drawings and electronic files, to be stored in a designated cabinet in 9-204 or 9-227

3. If student artifacts are to be collected based on a sample of students, what characteristics should the sample include?

Projects from all students in class will be collected

4. What information needs to be communicated to students concerning the assessment process?

Syllabus describes project guidelines and submittal requirements

5. How will information about faculty / staff participation in the assessment project be communicated?

Syllabus shared via email

6. Who will be responsible for coordinating the collection of student artifacts / data?

Instructor and Program Chair

7. At what point in the academic year / semester will the student artifacts/ data be collected?

During Finals week, December 2012

Evaluation of Student Artifacts and Analysis of Results: Understanding and Acting on the Impact of the Program (Program Level Assessment)

8. When will student artifacts be assessed / evaluated? During Finals week, December 2012, and during the Assessment Day 2013
9. What is the expectation (if any) for student reflection / self-assessment (etc.) as part of this assessment? Unknown
10. Which faculty or staff from the program/discipline will evaluate student artifacts? Instructor (Frank Fountain), Program Chair (Andrew Ray), and Irma Berner
11. What training / preparation / information will faculty or staff need in order adequately assess / evaluate the student artifacts collected? Program Outcomes Assessment training
12. When will the results / data associated with the assessment plan be analyzed? During Spring 2013 and Assessment Day 2013
13. What training / preparation / information will faculty or staff need in order to analyze the results data associated with this assessment plan? * Program Outcomes Assessment training
14. Does this assessment relate to your assessment from last year (if so how...)? How is this assessment connected to your improvement plan? Yes. Continues improvement of capstone course project & grading criteria
15. What additional sources of data might allow faculty / staff to better understand and act on the results of this assessment plan? Feedback and sharing of results and best practices of other AS Program reviews; current model encourages information "silos"
16. In order to ensure curricular and programmatic alignment, who else should be included in this conversation (e.g., General Education faculty)? A web-based or Blackboard shell could open this up college-wide

Approval / Implementation Process

Activities Associated with the Approval / Implementation of Assessment Plans	Person Responsible	Target Completion Date	Actual Completion Date
Revised project grading criteria	Frank Fountain & Andrew Ray	November 20, 2012	
Collection of student learning artifacts	Frank Fountain	December 8, 2012	
Review of assessment plan	Team	Assessment Day 2013	
For thought (you do not need to answer...) <ul style="list-style-type: none"> • Will current voter eligibility lists for the curriculum be used for any voting? • Will you have a group enroll in a related assessment methods workshop for credit or schedule your own sometime during the term? (See: http://valenciacollege.edu/faculty/development/coursesearch.cfm) • For A.S. programs – how does the 10/30/12 Viability meeting fit with your work? 			

Dean / Director Support

The Dean(s) / Directors (for Librarians, Counselors) responsible for supporting and promoting the work necessary for the implementation of the Assessment Plan need to indicate their support for the plan.

Dean / Director East / Winter Park Campus	Signature
Dean / Director Osceola / Lake Nona Campus	Signature
Dean / Director West Campus	Signature

