

# Start of the Academic Year 2012-2013

## New Cycle Program Learning Outcomes Plan Template

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 1<sup>st</sup>** to Jessica King: [jking84@valenciacollege.edu](mailto:jking84@valenciacollege.edu)

Please send questions to Laura Blasi, Director, Institutional Assessment [lblasi@valenciacollege.edu](mailto: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 accomplishing this over the next year.

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

1. What is your program name? **A.S. Electronics Engineering Technology – Robotics and Simulation Specialization**
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)  
**No**

Planning Team Leader(s) <sup>1</sup>	Campus	E-mail Address	Phone Extension	Mail Code
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<sup>1</sup> Planning Team Leaders assume the responsibility for coordinating activities associated with the expectations for the design, approval and implementation of Assessment Plans.

<sup>2</sup> 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

<b>Academic Program / Discipline Area (for General Education) or Co-Curricular Program Area:</b> <b>A.S. Electronics Engineering Technology – Robotics and Simulation</b>	
<b>Major finding from last year and related change, if any:</b> <b>None</b>	
<b>Services needed as a result of the finding (Student Learning Support, Faculty Development, etc.):</b> <b>TBD</b>	
<b>Targeted Program Learning Outcome(s) (PLOs) for this year:</b> <b>Demonstrate understanding of the basic principles of robots, including classification, operation, maintenance, troubleshooting and applications in the robotics industry.</b>	<b>Targeted Course(s), Co-Curricular Program or Student Activity associated with the Academic Program:</b>  <b>ETS 2604 – Robotics Applications</b>
<b>Is this a different outcome from the one reported last year? (yes /no)</b> <b>Yes. None was reported last year</b>	
<b>Does this assessment for this year apply to more than one PLO? (yes /no)</b> <b>No</b>	
<b>National Standard(s):</b> <ul style="list-style-type: none"> <li>• <b>American National Standards Institute (<a href="#">ANSI</a>)</b></li> <li>• <b>International Organization for Standardization (<a href="#">ISO</a>)</b></li> <li>• <b>Occupational Safety and Health State Association (<a href="#">OSHA</a>)</b></li> <li>• <b>The International Electrotechnical Commission (<a href="#">IEC</a>)</b></li> <li>• <b>National Electrical Code (<a href="#">NEC</a>)</b></li> </ul>	<b>Targeted Outcome(s) within the Course(s), Co-Curricular Program or Student Activity identified above:</b> <ul style="list-style-type: none"> <li>• <b>Engage effectively in interpersonal, oral, visual, and written communication</b></li> <li>• <b>Develop, test and simulate a robot performance</b></li> </ul>
<b>Performance Indicators for the Program Learning Outcome(s) selected:</b> <ul style="list-style-type: none"> <li>• <b>Hands-on practices with Lab Reports</b></li> <li>• <b>Successful demonstration of the robot model concepts</b></li> <li>• <b>Excellent knowledge of the various components that make up a robot</b></li> <li>• <b>Successful demonstration of the final project</b></li> <li>• <b>Successful completion of the power point presentation for the final project</b></li> </ul>	<b>Performance Indicators for Outcome(s) within the Course(s), Co-Curricular Program or Student Activity selected:</b> <ul style="list-style-type: none"> <li>• <b>Develop a model of the project</b></li> <li>• <b>Demonstrate relevant functionality of the model</b></li> <li>• <b>Conduct the necessary test, evaluation and modification</b></li> <li>• <b>Provide a professional technical report and demonstrate presentation skills</b></li> </ul>

**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)

**With students preliminary knowledge from the Introduction to Robotics and Simulation course it is expected they will perform with enthusiasm and an eagerness to achieve a full understanding of the nature of robotics in this advanced course.**

**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:

- **Written Lab Reports**
- **Examinations**
- **Final Project with a power point presentation**

**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:

**Instructor examinations based on targeted outcomes; standard laboratory and presentation guidelines.**

**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.?**

**The rubrics for this course have been completed. Feedbacks will be evaluated during and at the end of the semester.**

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

**By the Instructor after completion of such performance in class during the Semester.**

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

- **Completeness**
- **Preciseness**
- **Accuracy**
- **Presentation**
- **Demonstration**

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

**Evaluation Rubrics**

5. How will information about faculty / staff participation in the assessment project be communicated? <b>E-mail, phone face-to-face meetings</b>
6. Who will be responsible for coordinating the collection of student artifacts / data? <b>Course Instructor</b>
7. At what point in the academic year / semester will the student artifacts/ data be collected? <b>Individual projects will be collected throughout the semester while the final project will be collected at the end of the semester</b>

**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? <b>Within a week of the time the students complete them and turn them in to the Instructor and Assessment day 2013</b>
9. What is the expectation (if any) for student reflection / self-assessment (etc.) as part of this assessment? <b>The student's work will be returned to the student for them to reflect on their performance and establish criteria for their own performance</b>
10. Which faculty or staff from the program/discipline will evaluate student artifacts? <b>Course Instructors</b>
11. What training / preparation / information will faculty or staff need in order adequately assess / evaluate the student artifacts collected? <b>None</b>
12. When will the results / data associated with the assessment plan be analyzed? <b>Assessment day 2013</b>
13. What training / preparation / information will faculty or staff need in order to analyze the results data associated with this assessment plan? * <b>None</b>
14. Does this assessment relate to your assessment from last year (if so how...)? How is this assessment connected to your improvement plan? <b>No</b>
15. What additional sources of data might allow faculty / staff to better understand and act on the results of this assessment plan? <b>None</b>
16. In order to ensure curricular and programmatic alignment, who else should be included in this conversation (e.g., General Education faculty)? <b>Division Dean, Program Chair, Electronics Engineering Technology faculty, and Electronics Engineering Advisory Council</b>

## Approval / Implementation Process

Activities Associated with the Approval / Implementation of Assessment Plans	Person Responsible	Target Completion Date	Actual Completion Date
Draft assessment plan is circulated for input to reviewers appropriate to the program / discipline	<b>Gordon Andrews</b>	<b>9.15.2012</b>	<b>9.19.2012</b>
Draft assessment plan is revised to reflect input	<b>EET Faculty</b>	<b>9.26.2012</b>	<b>9.26.2012</b>
Vote on draft assessment plan	<b>Department Chair Ali Notash</b>	<b>9.28.2012</b>	<b>9.28.2012</b>
<p><b>For thought (you do not need to answer...)</b></p> <ul style="list-style-type: none"> <li>• <i>Will current voter eligibility lists for the curriculum be used for any voting?</i> <b>Yes</b></li> <li>• <i>Will you have a group enroll in a related assessment methods workshop for credit or schedule your own sometime during the term?</i> (See: <a href="http://valenciacollege.edu/faculty/development/coursesearch.cfm">http://valenciacollege.edu/faculty/development/coursesearch.cfm</a>) <b>More than likely both</b></li> <li>• <i>For A.S. programs – how does the 10/30/12 Viability meeting fit with your work?</i> <b>Tentatively</b></li> </ul>			

## 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
<b>Lisa Macon</b> Dean / Director West Campus	Signature

## Sign In Sheet for Related Meetings

Name	Dept.	Date	Event