### Part I: Assessment for Improved Learning, Intended Roles and Intended Outcomes

<table>
<thead>
<tr>
<th>Institutional Mission Statement</th>
<th>Intended Roles Identified Today</th>
<th>Observations, Recommendations, Questions for Department Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windward Community College is committed to excellence in the liberal arts and career development; we support and challenge individuals to develop skills, fulfill their potential, enrich their lives, and become contributing culturally aware member of our community.</td>
<td>DLNR Genetic Engineer Dept. of Ag Dietician Plant Doctor Orchid Farm Researcher Science teacher Tissue Culturist Entrepreneur Nursery Manager Biotech Technical Lab Assistant Forest Ranger</td>
<td>Recommending: All students to pass CIL test.</td>
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#### Institutional Outcomes

#### Program Mission or Purpose (if applicable)

To prepare students in careers for environmental science and to qualify them for transfer eligibility to BS degrees in Science.

#### Intended Outcomes from Today’s activities

- **Students will be able to:**
  1. **Ethical responsibility to help:**
     a. In health care issue
     b. Policy/regulations in genetic transformation
     c. Aware of and follow the standard ethic of professional
  2. **Hybridization**
     To do traditional (pollinate) hybridization and high-tech genetic manipulate techniques (gene germ and bacteria transformation, genetic engineering.)
  3. **Management Skills**
     a. Be able to apply good communication, listening, critical thinking, computer, technology, and writing skills.
     b. Marketing
  4. **Lab/Research**
     a. Calculate chemical compounds to prepare media, etc.
     b. Analyze, evaluate, explain, and conclude lab results.
     c. Operating lab equipment
     d. Conducting laboratory experiments
     e. Thinking outside the box (Thing beyond ____ ) creativity leading to entrepreneurship
     f. Analyze medicinal and edible value of plants
     g. Discipline (accuracy, responsibility, dedication to the truth)
  5. **Propagates**
     a. Apply traditional and new technology in plant propagation (grafting, air laying, cothy)
     b. Applying pesticide uses and safety
     c. Applying, utilizing, analyzing fertilizers, with less health hazards in mind
  6. **Continuing higher education**
     To ward AA, B.Sc, and PhD in biotechnology, agriculture, horticulture, botany, aquaculture, medicine and pharmacy.
Submit this form to the IEC via Ellen Ishida-Babineau or IEC Member; this will be returned to you the following week for departmental/unit discussion.