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

<table>
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<tr>
<th>Institutional Mission Statement</th>
<th>Intended Roles Identified Today</th>
<th>Observations, Recommendations, Questions for Department Discussion</th>
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<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>Bird Preservation</td>
<td>EIP Researcher</td>
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<td></td>
<td>EIP Writer</td>
<td>Water Management</td>
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<td>Forestry Management</td>
<td>Fisheries Management</td>
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<td>Recycle Management</td>
<td>Research Assistant: Parker Ranch Water Control Feral Cats Diseased Animals Water</td>
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1. If I went through this course are there any jobs and/or help getting jobs.
2. Program doesn’t address the #1 SLO of student will leave with analytical skills, efficient to work as research assistant in the field.
3. Add computer literacy in the course as it relates to the discipline.
4. Have practicum or project that ensures student can function in a practical way.

### Institutional Outcomes

#### 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 professionals

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 (Think 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 to 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
   Toward AA, B.Sc., M.Sc., and PhD in biotechnology, agriculture, horticulture, botany, aquaculture, medicine and pharmacy.

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### 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.
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.