1. **General Information:**
   - Alpha-numeric codification: INEL 6997
   - Course Title: Independent Studies
   - Number of credits: 1 to 3
   - Contact Period: Independent studies.

2. **Course Description:**
   - **English:** Individualized study projects in electrical engineering and/or related areas under supervision of a member of the faculty. The student develops a plan including faculty consultation, learning objectives, progress, and evaluation.
   - **Spanish:** Estudios individualizados en ingeniería eléctrica y/o áreas relacionadas bajo la supervisión de un miembro de la facultad. El estudiante desarrollará un plan que incluirá consultas con la facultad, objetivos de aprendizaje, progreso, y evaluación.

3. **Pre/Co-requisites and other requirements:**
   - Graduate student status and permission of the director.

4. **Course Objectives:**
   - After completing this course, students should be able to:
     - Select relevant bibliography on a particular topic in Electrical Engineering using library resources and the internet.
     - Construct a well organized bibliography on specific Electrical Engineering topics.
     - Evaluate the state of the art and identify gaps in the current state of knowledge in a a particular topic in Electrical Engineering

5. **Instructional Strategies:**
   - conference
   - discussion
   - computation
   - laboratory
   - seminar with formal presentation
   - seminar without formal presentation
   - workshop
   - art workshop
   - practice
   - trip
   - thesis
   - special problems
   - tutoring
   - research
   - other, please specify: Independent Studies

6. **Minimum or Required Resources Available:**
   - Campus library. Other resources dependent on the particular topics being studied.

7. **Course time frame and thematic outline**
   - Dependent on the particular topics being studied

8. **Grading System**
   - Quantifiable (letters)
   - Not Quantifiable

9. **Evaluation Strategies**
<table>
<thead>
<tr>
<th>Quantity Type</th>
<th>Quantity</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Final Exam</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Short Quizzes</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Oral Reports</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Monographies</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Portfolio</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Projects</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Journals</td>
<td>TBD</td>
<td>0-100</td>
</tr>
<tr>
<td>Other, specify:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL:** 100%

10. **Bibliography:**
- [http://www.uprm.edu/library](http://www.uprm.edu/library)
- [http://www.sciencedirect.org](http://www.sciencedirect.org)

11. **According to Law 51**
Students will identify themselves with the Institution and the instructor of the course for purposes of assessment (exams) accommodations. For more information please call the Student with Disabilities Office which is part of the Dean of Students office (Chemistry Building, room 019) at (787)265-3862 or (787)832-4040 extensions 3250 or 3258.