### Course Details

**NREM 463**

**Title:** Irrigation & Water Management

**Effective Term:** Spring 2006

**Offering:**
- **Fall & Spring semester**
- **Once a year**
- **Fall semester only**
- **Once every other year**
- **Spring semester only**
- **Other:**

**Corequisite Course(s):**
- NREM 203 or equivalent and NREM 304 or equivalent

**Prerequisite Course(s):**
- NREM 401
- NREM 402

**Contact Hours and Instruction Type:**

<table>
<thead>
<tr>
<th>Lecture (LEC)</th>
<th>Online Instruction (WEB)</th>
<th>Directed Reading or Research/Independent Study (DRR)</th>
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</thead>
<tbody>
<tr>
<td>Laboratory (LAB)</td>
<td>Thesis/Dissertation (THE)</td>
<td>Field Experience/Internship/Practicum (PRA)</td>
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<tr>
<td>Discussion (DIS)</td>
<td>Lecture/Laboratory combined (LEL)</td>
<td>Two-way Video/Interactive TV (ITV)</td>
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<td>Seminar (SEM)</td>
<td>Lecture/Discussion combined (LED)</td>
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### Description

Basic soil-water-plant relationships, irrigation water requirements, irrigation efficiencies, different methods of irrigation, planning, design and management of an irrigation system, fertigation and impact of irrigation on soil and water quality.

### Requested by

**NREM**

**Samir A. El-Swaify**

**Chair/Unit**

**Signature**

**Date**

### Approved by

**1st College or School Dean**

**Signature**

**Date**

**2nd College or School Dean**

**Signature**

**Date**

### Additional Information

**Graduate Division (600 level and above):**

**Dean**

**Signature**

**Date**

**General Education:**

**Signature**

**Date**

**Mānoa Chancellor's Office:**

**Chancellor**

**Signature**

**Date**