

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE

REPORT TO

THE ACADEMIC SENATE

AP-046-156

**MINOR IN AGRICULTURAL WATER RESOURCES AND IRRIGATION DESIGN
FOR SEMESTERS**

Academic Programs Committee

Date: 10/19/2016

**Executive Committee
Received and Forwarded**

Date: 10/19/2016

Academic Senate

Date: 10/26/2016
First Reading
11/09/2016
Second Reading

BACKGROUND: The Department of Plant Science has put forward a referral for a minor in Agricultural Water Resources and Irrigation Design for semesters. This is a revised program, i.e., name change.

RESOURCES CONSULTED:

Deans
Associate Deans
Department Chairs
All Faculty

DISCUSSION:

Before reaching the Academic Programs Committee, this program was reviewed by the College Curriculum Committee in the College of Agriculture as well as the Dean of Agriculture and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. When originally proposed, the name of the minor was Water Resource and Irrigation Design. There was an objection from the College of Engineering, specifically, the Civil Engineering Dept. Following is their comment.

“The Civil Engineering Department supports the minor that Plant Science offers, however we do not believe that the proposed title represents the courses listed. We recommend that Plant Science keeps the current minor title. However, if the intent of plant science is the creation of a new minor that is enhanced with the water resources component (supplying water for human use, removing water when humans are finished using it, and developing methods of avoiding damage from excess water –flooding), the Civil engineering department is willing to collaborate with the creation of the new minor and offer engineering and GIS courses that will provide the water resources and design components of non-irrigation systems. If the enhancement of the minor is the intent of the proposal, Civil Engineering can support with the following courses that should be added to the elective list (Civil Engineering GIS Course, other design courses) and the courses that should be added to their required list (CE Water Resources Engineering and CE Fluid Mechanics). Since all of our courses do have prerequisite requirements the civil engineering department will work with the plant science department to add an exception in the course requirements for students pursuing the minor that do not have all the necessary pre-requisites. If Plant Science intent is just to transfer the minor from quarters to semester then CE suggests that based on the courses listed it seems more appropriate to continue with the original title: Irrigation Landscape Design.”

This was communicated back to Plant Science. After careful consideration of what they wanted their minor to be and the comment from Civil Engineering, they (Plant Science) came up with a new name, i.e., Agricultural Water Resources and Irrigation Design. It was felt that this better reflected the intended scope of the minor, so it wouldn't seem to

include subject matter that is emphasized by Civil Engineering. The suggested new name was communicated to Dr. Xudong Jia, Chair of Civil Engineering. He responded on 10/17/16, via email, "I have consulted with our faculty members. We are fine with the revised name." This means everyone is in agreement with the new name, as reflected on the cover page of this report.

RECOMMENDATION:

The Academic Programs Committee recommends approval of the semester program, minor in Agricultural Water Resources and Irrigation Design.

Water Resources and Irrigation Design Minor									
Status	active								
Hierarchy Entities	Plant Science								
Approval Process Name	I. Program - Q2S Existing Program/Option/Minor								
Current Step	Office of Academic Programs								
Originator	Valerie Mellano								
Created	12/11/2015 03:15PM								
Launched	12/11/2015 03:27PM								
Form									
General Catalog Information									
Department	Plant Science								
Conversion Category:	Directly Converted								
Proposal Type:	Minor								
Describe or list changes	No changes other than utilization of combined courses and slight title modification.								
Semester Program Name (e.g. Biology, B.S., Art History, B.A.)	Water Resources and Irrigation Design Minor								
Program Description	Minor program to include coursework on irrigation management, water conservation and control, water quality and water resource policy.								
Curriculum Sheet	Water Resource and Irrigation Design Minor-18 units								
	Required: 6								
	PLT 2320 Irrigation Science 3								
	ABM 4500 Agricultural Water Resources 3								
	Select a minimum of 12 units from the following:								
	PLT 2400/L Turfgrass Management 2/1								
	PLT 2450/L General Surveying 2/1								
	PLT 2990/L LD Plant Science Special Topics 1-3/1								
	PLT 3030 Pesticide and Hazardous Materials Law 2								
	PLT 3410/L Sprinkler/Drip Irrigation 2/1								
	PLT 4110 Environmental Toxicology 3								
	PLT 4160/L Landscape Contracting and Estimating 2/1								
	PLT 4340/L Golf Course Management 2/1								
	PLT 4460/L Advanced Irrigation Management 2/1								
	PLT 4430/L Landscape Management Prob Solving 2/1								
PLT 4990/L UD Plant Science Special Topics 1-3/1									
Roadmap	<table border="1"> <thead> <tr> <th>Fall</th> <th>Spring</th> </tr> </thead> <tbody> <tr> <td>Yr. 2: PLT 2320</td> <td>Yr. 2: 3 units minor elective</td> </tr> <tr> <td>Yr. 3: 3 units minor elective</td> <td>Yr. 3: ABM 4500</td> </tr> <tr> <td>Yr. 4: 3 units minor elective</td> <td>Yr. 4: 3 units minor elective</td> </tr> </tbody> </table>	Fall	Spring	Yr. 2: PLT 2320	Yr. 2: 3 units minor elective	Yr. 3: 3 units minor elective	Yr. 3: ABM 4500	Yr. 4: 3 units minor elective	Yr. 4: 3 units minor elective
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Two-Year Course Offering									
Assessment Plan									
Select Program	Program								