Environmental Science

2019 Program Review

MJC Program Review 2019

Modesto Junior College's Program Review process is divided into 3 sections:

- Program Analysis (SWOT Analysis)
- Goal Setting and Activities
- Resource Request

Program Analysis

Internal Strengths

1. What strengths does the analysis of student data reveal?

New program, still trying to inform students the program exists.

2. Are there specific aspects of the program that are exemplary or could serve as a model?

Flexibility in course scheduling and completion Willing to accommodate students who are working full-time Mix of traditional/hybrid course offerings Dedicated full time faculty Student centered approach to learning. Offers online calendar for scheduling Offer Student Success specialist available for students. Counselors dedicated in the department for students. Maintain an advisory committee Network with business community where applicable. Maintain affiliation with state and national agriculture associations.

3. What do others see as the program's strengths?

Organized program that serves a variety of programs across campus as a GE transferable class. Skill-based learning Course offerings & activities could benefit faculty and staff

4. How well are students meeting program learning outcomes, skills, or competencies; and how are they relevant to careers in your discipline or industries for which you help prepare students?

eLumen does not match this current program. The course information is relevant to all students regardless of career or degree.

Internal Weaknesses

5. What gaps are observed by reviewing the student data?

eLumen does not match this current program. Low number of students in the program are a result of this being a new program.

6. What disproportionate gaps need to be addressed?

New program still developing data

7. What are areas in which the program could improve? (curriculum, scheduling, modality, other?)

Researching on-line course offerings. New course offerings Courses being allowed to be filled and not cancelled a week before school starts. Counseling familiarity with program.

8. Where are there gaps in the program on how students are meeting learning outcomes, skills, or competencies?

New program Recruitment/Retention

External Opportunities

9. Where are potential opportunities for expansion, improvement, or new program development?

Classes Short course offerings

10. What are some industry or disciplinary trends that could enhance the program?

Hydroponics Aquaculture Hemp Sustainability

External Threats

11. How are changing resources, technology, employer, or transfer requirements affecting the program's ability to serve students?

Anything that affects students' abilities will have a negative effect on the program and students

12. What are some current industry or disciplinary trends that could have a negative impact on the program?

Politics and environmental science have a strange interaction, public policy could be one way.

13. What other obstacles does the program face?

Getting a positive reputation for a new program is a challenge, not enough time in the day to keep up with all the challenges.

Goal Setting and Activities

Goals

Program Goal	Mission Alignment	Area of Focus
1. Incorporate industry	Workforce Needs	Professional Development
2. Increase student numbers	Innovative Education	Curriculum
3. Reduce equity gap	Equity	Pedagogy
4. Work with industry	Innovative Education	Student Support
5. Develop new programs	Innovative Education	Curriculum

Activities

Activities	In Support of Goal #	Outcome or Deliverable
1. Industry partners for internships	Goal #1	1. Job training
2. Increase program awareness	Goal #2	Social Media recognition
3. Increase completion rates	Goal #3	New program so having completers would be big
4. Create certificate programs	Goal #4	Small stackable certificates
Revisit program curriculum and outcomes to provide relevant learning related to industry needs.	Goal #5	Provide training to help make students more employable for our region.

Resource Requests

Category	Request	Activity #	Estimated Cost
Prof. Devel.	1. Conference fees	1	11000
Prof. Devel.	Additional Conferences	1	10000
Equipment	1. Replace computers (laptop Cart)	4	45000
Equipment	2. Hydroponics/Aquaculture	4	20000
Equipment	3. Electric pickup/vehicle	2	65000
Technology	1. Licensing for software (specialized)	3	7500
Personnel	1. Additional full-time faculty member	3	100000
Personnel	2. Tech support person	3	65000
Facilities	1. Maintain classroom for technology and course needs	3	35000
Facilities	2. Wood, landscape materials	3	7500
Other	1. Annual funding to market/promotional materials	2	7500

Other	Funding to support food budget for student events	2	2500
Other	3. Student industry tours	1	14000