

Data Review

Assessment Review

2021 - 2024

Assessment Review

Describe the activities, projects, and opportunities this program offers to support experiential learning and

Program Review: Part 1

Rank	Category	Request	Cost
5	Instructional Supplies	Bio 4 Human Body Models	\$6,623.60
7	Technology	Replacement laptop computers for IT 128	\$38,400.00
8	Furniture	Replacement of all lab benches in IT 128	\$18,560.00
9	Technology	JoVE science education subscription for the library (renewed annually)	\$15,000.00
11	Instructional Supplies	Bio 4 Human Organ models	\$6,677.20
14	Instructional Supplies	Replacement microscope slides	\$700.00
16	Instructional Supplies	Bio 4 Physio Equipment	\$536.14
17	Instructional Supplies	Bio 4 Posters	\$61.75

EVIDENCE

Do you have assessment data or other evidence that relates to this goal?

We do not have assessment data at this time, due to the fact that BIO-4 has had limited offerings. There is evidence from other districts that support the working hypothesis that Human Biology courses increase success rates and close equity gaps in higher level courses for students pursuing nursing and other allied health fields.

Anderton, R.S., Evans, T., & Chivers, P. (2016). Predicting Ac (.)]T(er2 (A)7.1 ()26.343Tc 0.0a re W(.)]T10.:

Program Review: Part 1

RESOURCES

Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)

Yes

EMP GOAL 7. Become the regional college of choice by offering a comprehensive range of programs that prepare students for the future and meet employer workforce needs.

GOALS AND ACTIVITIES

What are you doing now in support of this goal?

1. Anatomy and Physiology laboratory exercises that have not significantly changed in many years.
2. Offering of a variety Gen Ed course offerings for life science courses, including lecture only courses, lecture and lab courses, and lecture and field biology courses, all of which are transferable to CSUs and UCs. Many of these courses are using equipment and supplies that are out-of-date, broken, or non-functional.

What are your plans/goals (3-year) regarding this goal?

1. Add real-time physiology labs that mimic clinical tests such as ECG, EEG, respirometry, muscle contraction, etc. using Bio-Pac technology.
2. Increase offerings of Human Biology (BIO-4) as a prerequisite for Anatomy and Physiology courses and offering of a new field course: California Naturalist (BIO-21). To provide these increased offerings, as well as maintaining current course offerings requires instructional supplies for labs. The increased offerings of BIO-4, the new course of BIO-21, and maintaining current laboratory courses all require resource requests to provide students with a comprehensive education that prepares them for transfer to 4-year universities and colleges.
3. The Biology Discipline has approved and submitted DE forms for several Biology courses, so that we can increase our offerings to become a regional college of choice. An ongoing subscription to JoVE Science Education by the library is needed to support these DE courses. This subscription will also support face-to-face classes, by providing animations of difficult content in biology.

Program Review: Part 1

Program Review: Part 1

14	Instructional Supplies	Replacement microscope slides	\$700.00
15	Instructional Supplies	Analytical instruments and supplies - Bio 21	\$1,388.00
16	Instructional Supplies	Bio 4 Physio Equipment	\$536.14
17	Instructional Supplies	Bio 4 Posters	\$61.75
18	Technology	PCR Machine Thermo Fisher (1)- BIO-60	\$5,210.00
19	Technology	BIO-RAD UV/Visible spectrophotometers (8) - BIO-60	\$25,600.00
20	Instructional Supplies	TK6 Tissue Culture Supplies and Cell Line - BIO60	\$2,500.00

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Program Review: Part 1

Program Review: Part 1

RESOURCES

Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which yo

Program Review: Part 1

Program Review: Part 1

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Program Review: Part 1

1 pre-requisite in Anatomy and Physiology (BIO-50A and 50B) courses. Anatomy and Physiology courses, along with Microbiology (BIO-55), are the primary courses taken by students to pursue nursing and other allied health careers. According to The Inland Empire Regional Collaborative Health Industry Workforce Report 2017 (support documentat ion in this program review) there will be an increased demand for at least 55 healthcare occupations in the next 5 years. Many of these allied health occupations require the above listed courses as pre-requisites. Increasing these BIO course offerings with innovative and diversified resources gives our students the opportunity to pursue these regionally in demand careers.

RESOURCES

Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)

Yes

Program Review Part 2

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Resource Requests

2023 - 2024 Update

Resource Request

What resources do we already have?

Old rolling whiteboard that no longer fully erases in IT 128

What resources do you need?

New rolling white board for IT 128

Request related to EMP goal or Assessment?

EMP Goal 10

\$ Amount Requested

1,500

Resource Type

ITEM: Equipment, Services, Software, Furniture

Potential Funding Source(s)

Resource Requests

Resource Requests

Resource Requests

This request for my area is Priority #:

7

Is this request:

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2023 - 2024 Update

Resource Request

What resources do we already have?

The library has a 1-year subscription to JoVE Science Education to support distance education in the sciences

What resources do you need?

Ongoing annual subscription to JoVE Science Education to support DE courses in the sciences -amount requested is per year

Request related to EMP goal or Assessment?

EMP Goal 7,EMP Goal 12

\$ Amount Requested

15,750

Resource Type

ITEM: Equipment, Technology, Services, Software, Furniture

Potential Funding Source(s)

General Fund

The evidence to support this request can be found in:

Program Review: Part 1

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Resource Requests

For Administrative Use Only

Funding Status

null

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2023 - 2024 Update

Resource Request

What resources do we already have?

None - need new equipment to offer California Naturalist (BIO-21)

What resources do you need?

Analytical instruments (water quality testers) to offer California Naturalist (BIO- 21)

Request related to EMP goal or Assessment?

EMP Goal 7,EMP Goal 12

\$ Amount Requested

2,600

Resource Type

ITEM: Instructional supplies

Potential Funding Source(s)

Instructional Equipment Allocation,Lottery Instructional Supplies,General Fund

The evidence to support this request can be found in:

Program Review: Part 1

Please summarize how this request supports one or more EMP Goals, Equity goals, your program plans or goals, and/or is supported by outcomes assessment data.

This request for my area is Priority #:

11

Is this request:

New

For Administrative Use Only

Funding Status

null

Notes

Approved

Council Ranking

Resource Requests

2022 - 2023 Update

Resource Request

What resources do we already have?

None

What resources do you need?

Funding for Jesus Reyes to attend the Society for Integrative and Comparative Biology annual meeting (\$150 registration, \$270 airfare, \$690 hotel)

Request related to EMP goal or Assessment?

EMP Goal 4

\$ Amount Requested

1,010

Resource Type

BUDGET: Request Ongoing Funding (Professional Development, Department or Program Support, Outreach, Marketing)

Potential Funding Source(s)

Other/None

The evidence to support this request can be found in:

Program Review: Part 1

This request for my area is Priority #:

10

Is this request:

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2022 - 2023 Update

Resource Request

What resources do we already have?

Old laptops

What resources do you need?

BIO-

Resource Requests

Resource Requests

For Administrative Use Only

Funding Status

Completed/Funded

Notes

Forwarded to VPAA for funding consideration

Council Ranking

2022-23 Council Ranking

2022-23 Notes

purchased laptops instead of Surface Pros

2021 - 2024

Resource Request

What resources do we already have?

Old laptops

What resources do you need?

BIO-PACs (basic + respirometer) to offer physiology labs in BIO-50A/B

Request related to EMP goal or Assessment?

EMP Goal 7, EMP Goal 12

\$ Amount Requested

28,000

Resource Type

ITEM: Equi TEM: E (Re)-11 (e)6 (d,)

Resource Requests

2021 - 2024

Resource Request

What resources do we already have?

Resource Requests

Notes

Approved

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2021 - 2024

Resource Request

What resources do we already have?

6 field reel tape measures, 4 binoculars, 4 butterfly nets

What resources do you need?

Field tools and supplies to offer California Naturalist (BIO-21CBIs, eut, yd ree006 Tc.lc(s9 (a)3.51 (ul)6.u)3.3 (4)10.

Resource Requests

\$ Amount Requested

30,000

Resource Type

ITEM: Equipment, Technology, Services, Software, Furniture

Potential Funding Source(s)

Instructional Equipment Allocation, Lottery Instructional Supplies, General Fund

The evidence to support this request can be found in:

Program Review: Part 1

This request for my area is Priority #:

1

For Administrative Use Only

Funding Status

No Action-Insufficient funding

Notes

Forwarded to VPAA for funding consideration

Council Ranking

2022-23 Council Ranking

2022-23 Notes

Note: 4br rg a3.4 /T rg yTw Td h7 0 Tda3.4 /c 0 Tw 0c (o6en 0.005 Tw -10.37[31272 0 T-0.005 .3 (i)6.9 (en)0.6 1

Resource Requests

Resource Requests

2021 - 2024

Resource Request

What resources do we already have?

Borrowed models from anatomy if Anatomy and Physiology courses are not using them

What resources do you need?

Human organ models for Human Biology (BIO-4).

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Resource Requests

Resource Requests

Resource Requests

2021 - 2024

Resource Request

What resources do we already have?

None - need new equipment to offer California Naturalist (BIO-21), a new course

What resources do you need?

Analytical instruments to offer California Naturalist (BIO- 21), a new course.

Request related to EMP goal or Assessment?

EMP Goal 7,EMP Goal 12

\$ Amount Requested

1,400

Resource Type

ITEM: Instructional supplies

Potential Funding Source(s)

Instructional Equipment Allocation,Lottery Instructional Supplies,General Fund

The evidence to support this request can be found in:

Program Review: Part 1

This request for my area is P riority #:

15

For Administrative Use Only

Funding Status

No longer needed

Notes

Approved

Council Ranking

2022-23 Council Ranking

2022-23 Notes

Items discontinued before order was completed

2021 - 2024

Resource Request

What resources do we already have?

Equipment borrowed from anatomy labs if they are not in use

What resources do you need?

Physiology equipment for Human Biology (BIO-4).

Request related to EMP goal or Assessment?

EMP Goal 3,Achievement Data,EMP Goal 7,EMP Goal 12

\$ Amount Requested

540

Resource Requests

Resource Requests

2021 - 2024

Resource Request

What resources do we already have?

Old spectrophotometers

What resources do you need?

Replacement BIORAD UVVisible spectrophotometers (8) for majors' course BIO -60.

Request related to EMP goal or Assessment?

EMP Goal 7,EMP Goal 12

\$ Amount Requested

25,600

Resource Type

ITEM: Equipment, Technology, Services, Software, Furniture

Potential Funding Source(s)

Instructional Equipment Allocation,Lottery Instructional Supplies,General Fund

The evidence to support this request can be found in:

Program Review: Part 1

This request for my area is Priority #:

19

For Administrative Use Only

Funding Status

No Action-Insufficient funding

Notes

Forwarded to VPAA for funding consideration

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2021 - 2024

Resource Request

What resources do we already have?

None - previous cell line died

What resources do you need?

TK6 Tissue Culture Supplies and Cell Line for majors' course BIG60.

Request related to EMP goal or Assessment?

EMP Goal 7,EMP Goal 12

\$ Amount Requested

2,500

Resource Requests

Resource Type

ITEM: Instructional supplies

Potential Funding Source(s)

Instructional Equipment Allocation, Lottery Instructional Supplies, General Fund

The evidence to support this request can be found in:

Program Review: Part 1

This request for my area is Priority #:

20

For Administrative Use Only

Funding Status

In Progress

Notes

Faculty would like to defer this item to another year. They would like to do more research on what specific items they need for new experiments.

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2021 - 2024

Resource Request

What resources do we already have?

Manual seed sprouters

What resources do you need?

3-tiered seed sprouter for BIO-3, BIO5, and BIO8.

Request related to EMP goal or Assessment?

EMP Goal 7, EMP Goal 12

\$ Amount Requested

640

Resource Type

ITEM: Equipment, Technology, Services, Software, Furniture

Submission

2021 - 2024

All parts of my Program Review have been completed and it is ready for review
Yes

2022 - 2023 Update

I would like to submit this update
Yes

The additions or updates to my Program Review can be found in:
Resource Requests