



SKYLINE PRU Report

2022 - 2023

SKY Dept - Biology

Jing Folsom

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02/27/2023

Program Information

Assessment Unit Information

Program Type

Instructional

Division

Science, Technology, Engineering and Math (STEM)

Assessment Contact

Yancy Aquino

Comprehensive Program Review

2026 - 2027

Program Review Update

Fall 2022,Fall 2024

SKY Instructional Program Review Update

2022 - 2023

SKY Instructional Program Review Update

Submitter Name:

Yancy Aquino

Submitter Date:

11/27/2022

DIVISION:

Science, Technology, Engineering, and Mathematics (STEM)

PROGRAM NAME:

Biology

YEAR OF REVIEW:

2022-2023

1. STUDENT LEARNING OUTCOMES

What notable conclusions were drawn from the assessment results? If available, note any differences in assessment results by key disaggregations (e.g. modality, learning communities, etc.). What have been the implications for the program? Specific questions to answer in your response:

i. What percentage of course SLOs have been assessed in the last three years?

Number of Course SLOs:

24

Percentage:

46.2

ii. Which course(s) were assessed in the last three years?

BIOL 130, BIOL 215, BIOL 230, BIOL 250, BIOL 260, BIOL 310,

iii. Degree-bearing programs are expected to assess Institutional SLOs, ideally during each ISLO's featured year. List which course(s) were assessed for which ISLOs in the last three years.

Critical Thinking ISLO: Spring 2019 (BIOL 150, BIOL 230, BIOL 240, BIOL 260)

iv. Drawing from course and institutional SLOs results, what notable conclusions were drawn? Which results led to action(s) that were planned or taken, if any, to enhance student learning in those courses?

Based on the table, all but one of the criteria, Response to Bias, resulted in some proficiency of greater than 70%.

2. CURRICULUM

Please indicate whether the following tasks have been completed:

Submitted a current assessment calendar with all active courses to the Office of Planning, Research, and Institutional Effectiveness

Yes

Updated Improve with new or changed SLOs, and requested from PRIE the addition of new courses after approval by the Curriculum Committee

Yes

Updated new or changed PSLOs on the program website after they are published in the College Catalog

Not Applicable

SKY Instructional Program Review Update

Reviewed, updated (as needed), and submitted degree and certificate maps to the Curriculum Committee
Yes

3. ADDITIONAL INFORMATION

Please note anything else that has not been captured above that is relevant to program accomplishments, challenges, and resource needs. Explain and document your response as needed.

Biology Assessing the Critical Thinking ISLO: Spring 2019 (in reference to question 1- iii above).

Related Documents

[Sp19 Critical Thinking ISLO_BIOL.pdf](#)

4. The last step is to review the multi-year program goals, update their status, and add resource requests as needed. You can access program goals from the hamburger menu in the upper-left hand corner, Step 2: Goals and Resource Requests.

GOAL

Increase students success in the use of current lab equipments, similar to what they will use in the workplace, to fulfill the SLO in Physiology.

Goal and Desired Impact on Students

Students need to use updated and current lab equipment that aligns or reflects the current industry standards and workplace environments in order to achieve the course SLOs.

Year Initiated

2018 - 2019

Implementation Step(s) and Timelines

Once equipment is available, 70% of students will be able to conduct and to properly accomplish the lab activities.

Mapping

- SKY College Values: (X - Selected)

SKY College Values

- Student Success and Equity: X

STATUS

Goal Status Date

10/12/2022

Goal Status Narrative

Used in physiology

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Microscopes

Resource Description

Microscopes with 400x lens

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Students need to use updated and current lab equipment that aligns or reflects the current industry standards and workplace environments.

Cost

11,000

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Slides

Resource Description

Prepared slides of cells, prokaryotes, etc.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Students need to see tissues and cells. Prepared histology & prokaryote slides. Current 40+ year old sets are broken/missing.

Cost

3,300

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Technology

Resource Name

Laptop

Resource Description

Current/updated laptop for students to use.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Students need to use updated and current lab equipment that aligns or reflects the current industry standards and workplace environments. Replacements for >10 years old laptop that currently students are using.

Cost

99,000

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Water baths

Resource Description

Small water baths for use during lab.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Students need these water baths to facilitate their lab experiments and to arrive at a desired results.

Cost

1,100

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Rh Light box

Resource Description

Light box for viewing gels and materials.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Current light boxes have an issue with interference in taking pictures with phones.

Cost

825

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Analytical Balances

Resource Description

Analytical Balances

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Need replacement of the broken or non functioning equipments so that students will be able to use non defective analytical balances that are at par with the once use in the work place.

Cost

7,480

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Contract Services

Resource Name

Autoclave

Resource Description

For maintenance of the autoclave that is used by the entire biology classes.

Funds Type – Mark all that apply.

Recurring Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

This is needed in order to sterilized the equipments that are used by students during lab.

Cost

11,000

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

GOAL

Increase students success in the use of current lab equipments, similar to what they will use in the workplace, to fulfill the SLO in Biology

Goal and Desired Impact on Students

Students need to use updated and current lab equipment that aligns or reflects the current industry standards and workplace environments in order to achieve the course SLOs.

Year Initiated

2021 - 2022

Implementation Step(s) and Timelines

Once equipment is available, 70% of students will be able to conduct and to properly accomplish the lab activities.

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Bacteria Cell spreader

Resource Description

Bacterial cell spreader. All Bio 200s are sharing a set of 10 right now. Need 20 more.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Bacterial cell spreader. All Bio 200s are sharing a set of 10 right now. Need 20 more.

Cost

330

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Sensors

Resource Description

Carbon dioxide sensors

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Many of the sensors are 20 something years old and no longer working. Need replacement so that students will be able to use non defective microscopes that are at par with the once use in the work place.

Cost

2,959

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Leaf ID kits

Resource Description

Used for plant identification

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

We need to replace missing and damaged leaf kits. These are critical for learning plant identification and practicing critical thinking.

Cost

272.8

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Microscope

Resource Description

Stereoscopic microscopes

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Critically used in lab to introduce non-majors to microscopy. Builds confidence in scope use and allows students to explore science at a fine scale. Increases the understanding of scientific principles in non-majors students in our college and district.

Cost

7,150

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Centrifuge

Resource Description

High speed, refrigerated centrifuge is broken and is required to isolate cell parts.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

These high speed, refrigerated centrifuge is no longer working. These are necessary and required to isolate cell parts. Need replacement so that students will be able to use non defective equipment that are at par with the once use in the work place.

Cost

6,600

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Supplies

Resource Name

Centrifuge

Resource Description

Centrifuge heads

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Students need to master cell fractionation to prepare for upper division work. We are currently doing this in large (50-ml) volumes, which is impractical in teaching lab.

Cost

660

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY**Resource Request****Division Name**

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Technology

Resource Name

Mixer

Resource Description

Vortex mixer

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

We are currently using two 20-year-old donated mixers that no longer work for classes of 30 students.

Cost

495

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY**Resource Request****Division Name**

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Slides

Resource Description

Prepared whitefish embryo slides

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Many are damaged or missing. These are necessary for students to understand embryology.

Cost

247.5

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Supplies

Resource Name

Gel boxes - electrodes and wires

Resource Description

Electrodes and wirings

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Many of the electrodes and wirings are broken and/or missing. These are necessary for students to complete the required lab works.

Cost

3,300

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Supplies

Resource Name

Centrifuge

Resource Description

Microcentrifuge

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

These are critical for majors but used by students in all BIOL classes. We have one that 30 students must share in each lab. Used in BIOL 101, 110, BIOL 215, BIOL 230, BIOL 240, and BIOL 260. Carrying between labs decreases their lifespan. These are used by students to understand and complete their lab work.

Cost

1,650

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Supplies

Resource Name

Pipette

Resource Description

Pipette Repair Kit

Funds Type – Mark all that apply.

One-time Cost, Recurring Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Many of our pipettes are broken and need repair and calibration. Need replacement so that students will be able to use non defective microscopes that are at par with the once use in the work place.

Cost

132

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Scale

Resource Description

2-Kg Scale

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Need replacement so that students will be able to use non defective scale that are at par with the once use in the work place.

Cost

491.7

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Transilluminator

Resource Description

Transilluminator UV and visible light is used to observe results of gels and other items

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Our labs only have 2 transilluminators. In order to reduce backup and to have students read their results we need current transilluminators that will not interfere with how phones take pictures.

Cost

5,500

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Technology

Resource Name

UV lights

Resource Description

Desk top UV lamps with lamination.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Students use the UV Lamps to view materials, like Gene induction, to show how the effects of UV light on Biological samples.

Cost

1,155

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Stage micrometers

Resource Description

Stage micrometers

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Students use Micrometers to learn how microscopes work. Micrometers are typically worn and broken as students use the materials

Cost

440

Level of need, with 1 being the most pressing

4

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Technology

Resource Name

Microscope camera

Resource Description

Microscope camera

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Taking pictures of materials.

Cost

3,960

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY**Resource Request**

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

120 g x .001g scale

Resource Description

Scales for massing very accurate amounts of materials.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

These scales are often used in class. This will replace scales that have become damaged with use.

Cost

643.5

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY**Resource Request**

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

500 g Scales

Resource Description

Scales for massing medium amounts of materials.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

The Scales are well used in class. Often students are waiting for scales to be open in order to weight their materials.

Cost

1,501.5

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Jars

Resource Description

Anaerobic Jars

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Anaerobic Jars allow students to study bacteria that will not grow under aerobic conditions.

Cost

1,650

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Incubator

Resource Description

Large incubator for class use.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Replacement of current incubator that is lacking a fin. For safety and to meet SLO's.

Cost

16,500

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Petri Plate Pourer

Resource Description

100mm plate pouring

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Replacement of older piece of equipment.

Cost

33,000

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Refrigerator with glass door.

Resource Description

Biochemistry work requires us to see materials in the fridge.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

Replacement of old hand down fridge.

Cost

2,750

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Gel boxes

Resource Description

Electrophoresis gel boxes to practice electrophoresis.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

To replace current gel boxes. That are old and leak. Every class does electrophoresis.

Cost

3,300

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Supplies

Resource Name

Maintenance

Resource Description

Equipment preventive maintenance and repair.

Funds Type – Mark all that apply.

Recurring Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Several pieces of essential equipment will need preventative maintenance.

Cost

11,000

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Turntables

Resource Description

For inoculating cultures on plates.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Counting cultures on plates for SLO.

Cost

910

Level of need, with 1 being the most pressing

4

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Rest tube dispenser.

Resource Description

Omnispace is a pump used to dispense materials in lab

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

This piece of equipment is critical to the function in of all labs. It is the piece of equipment that we use to make all our materials and to dispense materials.

Cost

3,850

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Rest tube dispenser

Resource Description

Omnispence is a pump used to dispense materials in lab.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

This piece of equipment is critical to the function in of all labs. It is the piece of equipment that we use to make all our materials and to dispense materials.

Cost

3,850

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Orbital shakers

Resource Description

Orbital shakers are used to mix materials for lab.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor’s Office.

This new shaker will supplement and replace the current orbital shakers. We now have only one that is shared between labs.

Cost

1,320

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Camera traps

Resource Description

View of wildlife around campus

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Students use the traps in order to view with organism are on campus.

Cost

1,760

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Plankton Nets

Resource Description

Nets for monitoring environment

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Nets for environmental testing.

Cost

402.6

Level of need, with 1 being the most pressing

3

FOR ADMINISTRATIVE USE ONLY

GOAL

Increase students success in the use of current lab equipments to fulfill the SLO in Anatomy.

Goal and Desired Impact on Students

To avoid misunderstanding in what students need to identify these pointers are necessary to achieve the course SLOs.

Year Initiated

2017 - 2018

Implementation Step(s) and Timelines

Once equipment is available, 70% of students will be able to conduct and to properly accomplish the lab activities.

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Microscope eyepiece

Resource Description

Microscope eyepiece pointers.

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

This will facilitate the understanding of the cell parts that students will be looking at under the microscope.

Cost

1,320

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Torso model

Resource Description

Torso model

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Many are damaged or have missing parts. These are necessary for students to understand and complete their lab activities in order to move on to the next level.

Cost

6,050

Level of need, with 1 being the most pressing

1

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Slides

Resource Description

Prepared whitefish embryo slides, and other tissue slides for histology.

Funds Type – Mark all that apply.

Recurring Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Many are damaged or missing. These are necessary for students to understand embryology.

Cost

247.5

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Ear Model

Resource Description

Ear Model

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Many are damaged or have missing parts. These are necessary for students to understand and complete their lab activities in order to move on to the next level.

Cost

220

Level of need, with 1 being the most pressing

3

FOR ADMINISTRATIVE USE ONLY

Resource Request

Division Name

Science, Technology, Engineering, and Mathematics (STEM)

Year of Request

2022 - 2023

Resource Type

Instructional Equipment

Resource Name

Microscope camera

Resource Description

Microscope camera

Funds Type – Mark all that apply.

One-time Cost

Briefly explain how this request helps to advance the goals and priorities of your program, the College, the District, and/or the California Community College Chancellor's Office.

Taking pictures of tissues and cells.

Cost

3,960

Level of need, with 1 being the most pressing

2

FOR ADMINISTRATIVE USE ONLY