

1. Assessment Plan - Four Column



PIE - Technology & Health: Respiratory Therapy Unit

Narrative Reporting Year

2018-19

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External Conditions, Trends, or Impacts: • Required outcome measures include performance on licensing and other credentialing examinations administered by the testing agency National Board for Respiratory Care.

- Other external factors that are mandated by CoARC include entry-level examinations and advanced practitioner level examinations that assess the graduates knowledge of the standardized curriculum.
- Co-ARC mandates graduate and employer surveys must be performed within the first year following graduation.
- Board exam results and survey results require plans of action to correct any apparent deficits in knowledge or performance.
- Technology and equipment upgrades continue at a rapid pace.
- CoARC standard 2.02 Institutional and Personnel Resources requires that the institution must ensure that the program has a sufficient number of faculty members, clinical preceptors, administrative and technical support staff to achieve the program's goals (see attached CoARC Standards). With students at 14 different clinical sites it is difficult to provide adequate faculty coverage in the clinical setting. With 18 students in each lab it is difficult to provide adequate faculty support in lab.
- Advisory Committee members have indicated how much they value faculty presence at clinic sites and would like to see even greater participation from faculty.
- Increasing expectations from hospital clinic sites to cover areas in classroom, before clinic that have been traditionally part of the clinic experience.

High number of Respiratory Therapy Programs are in the area making access to clinic sites more competitive Co-ARC standard 5.16 mandates that students have timely access to faculty for assistance and counseling regarding their academic concerns and problems.

- Co-ARC annual report and meeting CO-ARC standards and thresholds

The state of California has made the RRT credential the minimum standard for obtaining a license in the State of California

Internal Conditions, Trends, or Impacts : Students - An increasing number of students attempt to work full time while in the program and have difficulties with time requirements and academic rigor of the program. Students need counseling both personal and academic. Students need counseling on how to apply for financial aid and scholarships. Students need to have the program laboratory available during off hours, Fridays and weekends to practice skills and gain competency.

Technology Upgrades - To stay current with new, state-of-the-art technology used at the program's clinic sites, we will need to secure funding for upgrades. Specific equipment upgrades have been listed under technology upgrades. Funding needs to be secured for these upgrades. Mechanical ventilators in particular are costly, with pricing approximately \$30,000.00 to \$40,000.00 per unit.

Faculty - The program has secured a new clinic site, bringing the total number of clinic sites to fourteen. It is critical to maintain adequate instructor coverage through full time and adjunct instructors at all sites to keep these clinic sites.

Facilities - The program's laboratory needs new tables. Tables that rise up and down for both sitting and standing would be optimal. The ability to raise the table for students

to work with manikins and other equipment at waist height would better simulate the hospital environment.

Critical Decisions Made by Unit: Implementing student tutors and increased use of professional experts for 17-18, we do not have funding for 18-19

Notable Achievements for Theme A: To Advance Academic Excellence and Student Achievement: 2015, 2016, 2017, 2018 and 2019 - Program awarded Distinguished RRT, (Registered Respiratory Therapist) Credentialing Success Award from CoARC, (Commission on Accreditation for Respiratory Care).

2016 2017, and 2018 - Annual Reports submitted to CoARC with 100% compliance of nationally established accreditation standards

2018 CoARC site visit for accreditation. Program received highest accreditation standard.

2016, 2017, 2018, and 2019 - Student participation in CSRC, (California Society for Respiratory Care), Sputum Bowl Competition. The Mt. Sac student team placed first in the regional competition held April 2019.

2016, 2017, 2018 and 2019- Director of Clinical Education, Jim Hutchinson started an education outreach, providing in-services to to clinical affiliates. Jim has been asked to speak at two CSRC conferences this year.

2017 - 3 students received scholarships from the CSRC, and 1 from a private organization.

2018 - 2 students received scholarships from the CSRC

2016 - Students and faculty participated in eight community outreach events

2017 - Students participated in the American Lung Association Walk and Stair Climb, raising over \$1000.00 for the ALA. The program received and award for the highest dollar amount of donations raised by a Respiratory Therapy program.

2017 - Students and faculty participated in six community outreach events

2018 - Students and faculty have participated in six community outreach events including the Health Science High School student event here on campus. Other events have been in the local community.

2019 - To date, students and faculty have participated in three community outreach events.

Notable Achievements for Theme B: To Support Student Access and Success: 2015, 2016, 2017, 2018 and 2019 - Program awarded Distinguished RRT, (Registered Respiratory Therapist) Credentialing Success Award from CoARC, (Commission on Accreditation for Respiratory Care)

Notable Achievements for Theme D: To Foster an Atmosphere of Cooperation and Collaboration: Professor James Hutchinson provides in-service activities to our industry partners, clinic sites. This is had improved relationships and fosters collaboration,

Contributors to the Report: Mary-Rose Wiesner Department Chair, Respiratory

2018-19

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<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
<p>Improve Classroom and Laboratory space - Improvements were made in 2018 with removal of counters for additional space in the lab, shelves added to closet in 134. Summer 2017, we secured an additional room for storage of supplies and mechanical ventilators.</p>	<p>Request - Full Funding Requested - 4 adjustable height tables - \$5000.00 20 adjustable height chairs- \$14,000 Describe Plans & Activities Supported (Justification of Need): Secure tables for the laboratory space that can be height adjusted.</p>	<p>Reporting Year: 2018-19 % Completed: 50 Four tables have been ordered, but not yet received. Four additional tables are needed to complete laboratory space. (05/15/2019)</p> <hr/> <p>Reporting Year: 2017-18 % Completed: 0</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
<p>New goal for 2017-2018 to improve laboratory space. We would like to obtain new tables for the laboratory space. Tables that rise which will allow students to both sit and stand. Raising the tables to waist height will simulate the height of a bed in a hospital setting . This will allow students to practice procedures in a more realistic manner. We recieved funding for 4 tables in 2018. Tables were ordered in 2019 and we are still awaiting arrival and installation. 4 additional tables and chairs are needed. The cost for these is approximately \$5,000.00</p> <p>New goal for 2019-2020 to improve classroom space. The Respiratory Therapy classroom is in need to new desks and chairs. The banquet style chairs are soiled and stained. The current desks are wobbly and soiled. The classroom needs 40 desks and chairs. The new furniture standard for the college is a huge improvement over the furniture currently in our classroom. The cost for new desks and chairs is approximately \$15,000.00</p> <p>Status: Active Goal Year(s): 2016-17, 2017-18, 2018-19, 2019-20 Date Goal Entered (Optional): 07/01/2017</p>	<p>Raising the lab tables to waist height will simulate the height of a bed in the hospital setting. Most procedrued performed by the Respiratory Therapist are done while standing.</p> <p>Lead: Mary-Rose Wiesner What would success look like and how would you measure it?: Improved student engagement and increase in practice of skills using adjustable height tables. Current tables are over 15 years old and do not rise.</p> <p>Current chairs are banquet style chairs and soiled</p> <p>Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.</p> <p>Planning Unit Priority: High Documentation Attached?: Yes One-Time Funding Requested (if applicable): 19000 Related Documents: Lab Tables.pdf</p> <p>Request - Full Funding Requested - New Desks and Chairs for the Respiratory Therapy Classroom that are compliant with the college's furniture standards</p> <p>Describe Plans & Activities Supported (Justification of Need): Improved classroom environment for student learning. Current desks</p>	<p>Progress made on storage issue in Respiratory Therapy lab with removal of counters, shelves added to closet in room 134 and additional storage room 118 secured for department in 2016-2017.</p> <p>New goal for 2017-2018 to improve laboratory space. We would like to obtain new tables for the laboratory space. Tables that rise which will allow students to both sit and stand. Raising the tables to waist height will simulate the height of a bed in a hospital setting . This will allow students to practice procedures in a more realistic manner. (03/08/2018)</p> <p>Reporting Year: 2019-20 % Completed: 0 This is a new request (05/15/2019)</p>

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wobble and it creates a distraction during class and especially during test. Banquet style chairs are soiled and very noisy when pulled out and pushed in. This noise creates a distraction during testing. New desks and chairs will create an improved classroom environment more conducive for student learning. Our students take all their classes in the same classroom so classroom environment and noise levels are important.

Lead: Mary-Rose Wiesner
What would success look like and how would you measure it?:

Improved student engagement with better classroom environment.

Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.

Planning Unit Priority: High

Documentation Attached?: Yes

One-Time Funding Requested (if applicable): 24000

Related Documents:
[67A_Respiratory_Therapy_New_Classroom_Furniture_Budget-2019-05-15.pdf](#)

<p>Technology Upgrades - Technology upgrades are needed on a continual basis to keep equipment in our lab current and up to date with the</p>	<p>Request - Full Funding Requested - 2 acute care mechanical ventilators - Servo U and Drager brand ventilators</p>	<p>Reporting Year: 2018-19 % Completed: 0 Funding needed for Two adult intensive care mechanical ventilators</p>
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<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
<p>equipment students will see and be expected to use safely in the hospital clinical setting. Specific technology upgrades include the following; Mechanical ventilators - 2 were obtained in 2017 from Perkins funding. 1 was obtained with 2018 Perkins funding. 2 ventilators are still needed. For optimal practice a maximum of four students should be using one ventilator at a time. The program's hospital clinic sites currently use six different types of mechanical ventilators</p> <p>High flow oxygen supply devices such as Vapotherm high flow unit. Unit was obtained from Perkins funding early 2017</p> <p>Specific technology upgrades that needed: Servo U Mechanical Ventilator Drager Mechanical Ventilator Bronchial hygiene unit - MetaNeb system. Oxygen concentrator - Unit still needed Full body ALS trainer manikin - New 2017-2018</p> <p>Professional Development - Staff needs PD funds to attend conferences to keep knowledge up-to-date with technology. Status: Active Goal Year(s): 2016-17, 2017-18, 2018-19 Date Goal Entered (Optional): 09/01/2016</p>	<p>Describe Plans & Activities Supported (Justification of Need): Funding is needed for the following equipment upgrades to maintain the Respiratory Therapy Laboratory and Program state-of-the-art and current with clinical practice. Two adult intensive care mechanical ventilators, different brands are required. A Servo U and a Drager Ventilator. Ventilators are \$38,00.00each</p> <p>Lead: Mary-Rose Wiesner What would success look like and how would you measure it?: Improved student engagement and increased practice in critical skills required for clinical practice Provide students practice with current generation, up-to-date equipment that they will see in clinical practice. Increase student employability</p> <p>Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500. Planning Unit Priority: Medium Documentation Attached?: Yes One-Time Funding Requested (if applicable): 76000 Related Documents: Full Body Manikin.pdf</p>	<p>Meta Neb unit and accessories ALS Trainer Full Body Manikin Intubation Trainers Professional Development (05/15/2019)</p> <hr/> <p>Reporting Year: 2019-20 % Completed: 0 Equipment and Funding for PD are needed for the 19-20 year (05/15/2019)</p> <hr/> <p>Reporting Year: 2019-20 % Completed: 0 2 mechanical ventilators will be purchased 2017 with Perkins funding from 16-17 fiscal year. 2 additional mechanical ventilators are needed Other technology updates needed include; Smart Vest Unit Meta Neb Unit ALS Trainer Full Body Manikin Professional Development Funding for training on technology upgrades</p> <p>(07/10/2017)</p>

Unit Goals

Resources Needed

Where We Make an Impact: Closing the Loop on Goals and Plans

[HRCPRO_21415882 Metaneb](#)

[Accessories.pdf](#)

[HRCPRO_21415882 Metaneb.pdf](#)

[Intubation Trainer.pdf](#)

[Mt. San Antonio College 1 G5 DEMO](#)

[Quote 032717 AF.pdf](#)

Request - Full Funding Requested -

Advanced Life Support (ALS) - Full Body Manikin

Describe Plans & Activities

Supported (Justification of Need):

ALS Trainer Full Body Manikin - A full body manikin is used in lab on a weekly basis. The current manikin is more than 10 yrs old. It is soiled beyond the ability to clean and is detached at the waist. Newer units with improved technology are available. Cost is \$2800.00

What would success look like and

how would you measure it?: Student learning outcomes in the program's laboratory courses are directly related to skills that require competency to be demonstrated using a manikin

Type of Request: INSTRUCTIONAL

SUPPORT PROGRAM FUNDING

(INSTRUCTIONAL EQUIPMENT):

Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.

Planning Unit Priority: High

Documentation Attached?: Yes

One-Time Funding Requested (if applicable): 2800

Request - Full Funding Requested -

Intubation/Manual Ventilation
Training Manikin

Describe Plans & Activities

Supported (Justification of Need):

The lab currently has 4 trainers and the trainers are used frequently to teach these critical skills to students. Two of the trainers are in need of replacement. They are soiled, torn and broken. Trainers are \$2,094.34 each.

Lead: Mary-Rose Wiesner

What would success look like and

how would you measure it?: Student Learning Outcomes for the program's laboratory courses require skill competencies to be demonstrated using the training manikin

Type of Request: INSTRUCTIONAL

SUPPORT PROGRAM FUNDING

(INSTRUCTIONAL EQUIPMENT):

Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.

Planning Unit Priority: High

Documentation Attached?: Yes

One-Time Funding Requested (if applicable): 4169

Request - Full Funding Requested -

Meta Neb Airway Clearance Unit with accessories.

Describe Plans & Activities

Supported (Justification of Need):

The Meta Neb unit is currently used as an airway clearance device in a number of the program's clinic sites.

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We do not have one in the lab for students to gain competency before clinical rotations. Unit with accessories is \$5,547 for the actual unit and \$531 for accessories. One unit was obtained recently with Perkins funding. With 16 to 20 students enrolled in each section of lab, an additional unit is needed.

Lead: Mary-Rose Wiesner

What would success look like and how would you measure it?: Student Learning Outcomes in the program's laboratory courses require skills competencies to be demonstrated with the use of this unit.

Type of Request: INSTRUCTIONAL SUPPORT PROGRAM FUNDING (INSTRUCTIONAL EQUIPMENT): Equipment, library material, or technology for classroom instruction, student instruction or demonstration, or in preparation of learning materials in an instructional program, equal or over \$500.

Planning Unit Priority: Medium

Documentation Attached?: Yes

One-Time Funding Requested (if applicable): 6078

<p>Clinical and Laboratory Instruction - Clinical Instruction - Clinic sites have increased from 12 to 14. With students at fourteen different clinic sites it is difficult to provide adequate faculty coverage in the clinical setting. There is a need to maintain adjunct faculty to provide adequate clinical teaching.</p>	<p>Report directly on Goal</p>	<p>Reporting Year: 2018-19 % Completed: 50 Adjunct support is currently adequate for program needs. Professional Expert funding is needed for student support in open laboratory sessions. (05/15/2019)</p>
<p></p>	<p>Request - Full Funding Requested - Continued funding for adjunct faculty and professional experts Funding for professional experts is</p>	<p>Reporting Year: 2017-18 % Completed: 100 Professional Experts have been funded through Title V up to July 1, 2018. Funding for Professional Experts is needed for the 18-19</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
<p>Laboratory Instruction - In the laboratory, there is a need to maintain funding for professional experts for provide adequate laboratory teaching and ensure the laboratory is a safe environment. We have had professional expert funding through Title V in the past, but no longer have any funding for the 2018-2019 school year. Professional experts have allowed us to let students practice and gain mastery in skills during open lab sessions. Open lab sessions are offered at off hours, weekends, and evenings. This has been especially helpful for the working student and for single parents. Professional Expert funding has also been requested through Perkins funding for 2019.</p> <p>Status: Active</p> <p>Goal Year(s): 2016-17, 2017-18, 2018-19</p> <p>Date Goal Entered (Optional): 09/01/2016</p>	<p>6000.00 per year.</p> <p>Describe Plans & Activities Supported (Justification of Need): Adjunct faculty are currently adequate, and we want to maintain. Professional experts have been funded through Title V</p> <p>Lead: Mary-Rose Wiesner</p> <p>Planning Unit Priority: High</p> <p>One-Time Funding Requested (if applicable): 6000</p> <p>On-Going Funding Requested (if applicable): 6000</p> <p>Request - Partial Funding Requested - Career Specialist for Health and Technology Division</p> <p>Describe Plans & Activities Supported (Justification of Need): Specialist to assist with work experience placements, employer panels, career fairs, and assist students with interviewing skills and resume writing</p> <p>What would success look like and how would you measure it?: Part-Time Career Specialist would be hired for the Health and Technology Division</p> <p>Planning Unit Priority: Medium</p> <p>Documentation Attached?: No</p> <p>One-Time Funding Requested (if applicable): 55000</p>	<p>school year. Funding will be sought through the Strong Workforce Initiative. Currently there is no funding for the 18-19 school year for Professional Experts. Approximately \$6000.00 for the yr is needed.</p> <p>Adjunct faculty at acceptable level (03/08/2018)</p> <p>Reporting Year: 2019-20</p> <p>% Completed: 100</p> <p>80% Complete (05/14/2019)</p>