Assessment: Course Four Column

FALL 2016

El Camino: Course SLOs (HSA) - Respiratory Care

ECC: RC 170:Introduction to Respiratory Care Sciences and the Profession

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Appropriate and Competent FI02 Management - Given an in-class patient care scenario during an oral examination based on assigned reading, demonstrate appropriate and competent FI02 management using guidelines set in clinical competencies section of the Data Arc system for clinical practice. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** Oral examination on FIO2 management using guidelines presented in class and found in text and other links provided during class. **Standard and Target for Success:** 80% of students who complete the course will past the final exam with a grade of 70% or higher. **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met Initial enrollment was at 15 with 12 students left eligible to take the final exam. 80% of the remaining student population was able to complete the oral exam and achieve a score of greater than 70%. Achievement of the standard and target success indicates that there was mastery of learning objectives by 80% of the class. This percentage indicates that teaching strategies employed by the faculty are effective in helping the students in their mastery. This class is a pre-clinical class. Students enrolled in this class are in the process of establishing personal interest and identification of aptitude in the field of respiratory care. Therefore, the standard is based on those completing the class and their score on the final exam indicating mastery of the learning objectives set down for the class. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	**Action:** Review teaching strategies and make adjustments as necessary to have continued achievement of the standard (12/05/2018) **Action Category:** Teaching Strategies
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Initial enrollment was at 33 with 22 students left eligible to	**Action:** Review teaching strategies and make adjustments as necessary to have continued achievement of the standard.

Course SLOs	Assessment Method Description	Results	Actions
		take the final exam. Though attrition was at 33%, 91% of the remaining student population was able to complete the final exam and achieve a score of greater than 70%. Achievement of the standard and target success indicates that there was mastery of learning objectives by 91% of the class. This percentage indicates that teaching strategies employed by the faculty are effective in helping the students in their mastery. This class is a pre-clinical class. Students enrolled in this class are in the process of establishing personal interest and identification of aptitude in the field of respiratory care. Therefore, the standard is based on those completing the class and their score on the final exam indicating mastery of the learning objectives set down for the class. (12/10/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	(12/10/2015) **Action Category:** Teaching Strategies **Follow-Up:** Will continue to monitor teaching strategies as percentage of students achieving the standard remains within standard goals. (09/11/2015)
SLO #2 Range of Respiratory Competency - During classes, students will demonstrate and explain appropriate respiratory care competencies such as FIO2 monitoring and managing patients receiving prolonged artificial ventilation, pulmonary rehabilitation, life support procedures, bronchial hygiene and oxygen therapy. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Spring 2015) **Input Date:** 04/02/2015 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** Assigned a clinical scenario, students will be tested on oxygen therapy. Student success will be gaged upon student understanding of all indicated precautions needed to insure patient safety throughout the procedure. **Standard and Target for Success:** The standard and target for success is 70% of the class will achieve a passing score of 70% on this topic. This class is a pre-clinical class. Students enrolled in this class are in the process of establishing personal interest and identification of aptitude in the field of respiratory care. Therefore, the standard is based on those attempting the test and their score on the test indicating mastery of the learning objectives set down for the class.	**Semester and Year Assessment Conducted:** 2014-15 (Spring 2015) **Standard Met? :** Standard Met Thirty two students attempted the test with twenty six achieving a minimum score of 70% or better. Therefore, 87% of the class achieved the passing score of 70% and the target for success was met. (04/02/2015) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:**	**Action:** Continue monitoring standards and target for success and adjust teaching methodology accordingly. (04/02/2015) **Action Category:** Teaching Strategies **Follow-Up:** Standard met so continue monitoring standards and target for success and adjust teaching methodology accordingly. (11/29/2017)

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
	Additional Information:		
SLO #3 Comprehensive Final Exam on RC & Profession - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** Students will take a comprehensive final multiple choice examination **Standard and Target for Success:** 80% will obtain a grade of 70% or better **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 16/20 students received a minimum score of 70% . The four who did not were absent the day of the final. (12/14/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	**Action:** Continue to monitor scores and adjust teaching strategies to maintain standard. (12/14/2017) **Action Category:** Teaching Strategies **Follow-Up:** Continue to monitor scores and adjust teaching strategies to maintain standard. (12/05/2018)

ECC: RC 174:Intro Resp Care Equip/Procdres

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Appropriate and Competent FI02 Management - Given an in-class patient care scenario during an oral examination based on assigned reading, demonstrate appropriate and competent FI02 management using guidelines set in clinical competencies section of the Data Arc system for clinical practice. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** oral examination describing oxygen management of a patient on nasal cannula whose physical signs indicate the need for 02 adjustments. **Standard and Target for Success:** 80% of students who complete the course will pass this exam with a grade of 70% or higher **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met Initial enrollment was at 18 with 16 students left eligible to take the final exam. 89% of the remaining student population was able to complete the final exam and achieve a score of greater than 70%. Achievement of the standard and target success indicates that there was mastery of learning objectives by 89% of the class. This percentage indicates that teaching strategies employed by the faculty are effective in helping the students in their mastery. This class is a pre-clinical class. Students enrolled in this class are in the process of establishing personal interest and identification of aptitude in the field of respiratory care. Therefore, the standard is based on those completing the class and their score on the final exam indicating mastery of the learning objectives set down for the class. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	**Action:** Review teaching strategies and make adjustments as necessary to have continued achievement of the standard. (12/05/2018) **Action Category:** Teaching Strategies
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Fourteen students took this exam with twelve achieving 70% or higher. Achievement of the standard and target success indicates that there was mastery of learning objectives by 86% of the class. This percentage indicates that teaching strategies employed by the faculty are effective in helping the students in their mastery. This class is a pre-clinical class. Students enrolled in this class are in the process of establishing personal interest and identification of aptitude in the field of respiratory care. Therefore, the standard is based on those completing the class and their score on this exam indicating mastery of the learning objectives set down for the class.	**Action:** Review teaching strategies and make adjustments as necessary to maintain standard. (02/05/2016) **Action Category:** Teaching Strategies **Action:** 12 of the 14 students have continued on the other classes in the program. They continue to achieve minimum scores of 70% in these classes. Monitoring will continue until graduation from the program is achieved in 2017. (12/03/2015) **Action Category:** Teaching

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		(02/05/2015) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	Strategies **Follow-Up:** Monitoring will continue until graduation from the program is achieved in 2017 (12/03/2016)
SLO #2 Explain RC Equipment Function - During classes & labs, students will demonstrate and explain appropriate respiratory care competencies such as FIO2 monitoring and managing patients receiving prolonged artificial ventilation, pulmonary rehabilitation, life support procedures, bronchial hygiene and oxygen therapy. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** Student will be given a scenario where FIO2 management of a patient in the Emergency department is required **Standard and Target for Success:** 75% of the class will be expected to complete the assignment achieving a minimum score of 100% **Additional Information:**	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met This class is a pre-clinical class. Students enrolled in this class are in the process of establishing personal interest and identification of aptitude in the field of respiratory care. Therefore, the standard is based on those completing the class and their score on this exam indicating mastery of the learning objectives set down for the class. 80% of the class achieving a minimum score of 100%. (12/03/2015) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	**Action:** Continue to monitor student success and alter teaching strategies such as more usage in clinical simulations using mannikins to assist in educating students. (12/07/2016) **Action Category:** Teaching Strategies **Follow-Up:** Use of various manikins including CPR, intubation and HPS manikins were integrated into the curriculum to assist in educating students. Will monitor student success in test scores and adjust teaching strategies as indicated. (11/29/2017)
SLO #3 Comprehensive Final Exam on RC Equipment Operation - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** students will take a comprehensive final multiple choice examination **Standard and Target for Success:** 80% will obtain a grade of 70% or better **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 10 students took the final exam with 10/10 receiving at least a minimum grade of 70% (12/15/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Doug Mizukami	**Action:** will continue monitoring scores and adjust teaching strategies to maintain standard being met. (12/15/2017) **Action Category:** Teaching Strategies **Follow-Up:** Continue to monitor scores and adjust teaching strategies to maintain standard. (12/05/2018)

ECC: RC 178:Respiratory Care of the Critically Ill Patient I

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Appropriate and Competent FI02 Management - Given an in-class patient care scenario during an oral examination based on assigned reading, demonstrate appropriate and competent FI02 management using guidelines set in clinical competencies section of the Data Arc system for clinical practice. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Performance -** Student will be given an oral examination during a patient simulation in the RC lab. The scenario will include patient condition, vital signs, and other pertinent data and the student will need to manage the patient's FI02 needs based on this data. **Standard and Target for Success:** 100% of the students must demonstrate appropriate and competent FI02 management **Additional Information:** This is a vital skill necessary for any RCP to be practicing in the hospital setting. Also, this is a skill that is continually tested on state licensing and national credentialing exams. For our students to be successful they must be able to perform this skill clinically and pass any licensing and credentialing exams as well.	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met 100% of the students who performed the oral examination (19/19) were able to demonstrate appropriate and competent FI02 management. Students again identified that the clinical sites were introducing newer technology ventilators. Students will require more practice in the lab settings to help prepare students to successfully manage patients in the clinical settings due to increased sophistication in the newer technology. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Taryn Parker, Raymund Adoc, Mike Desisto	**Action:** Funding will be sought to replace the aging technology in the RC multimedia lab. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. (12/05/2018) **Action Category:** Program/College Support
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Students were able to achieve 100% on the oral examination with minimal difficulty. All were able to complete on first attempt. The high standard of 100% on the examination is vital since these same students will be training clinically with actual ventilator patients at various clinical sites where the ventilator patients well-being is of the highest importance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies wouls allow more time	**Action:** Hospitals contacted and confirmed newer generations of the ventilators being used in the lab are being purchased and will be in place within the next two years. The Program will attempt to replace the lab ventilators as funds become available. (12/03/2015) **Action Category:** Program/College Support **Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. Possible teaching strategies include use of most current software training tools designed specifically for

Course SLOs	Assessment Method Description	Results	Actions
		for each student to spend learning material. (11/04/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Vicki Robertson, Doug Mizukami	respiratory care such as Decision Simulation Software which allows for usage in the greatest amount of classes. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2015) **Action Category:** Program/College Support **Follow-Up:** Clinical sites contacted and newer generation ventilators are being purchase or are in the budget to be purchased within the next 2 years. The program will attempt to replace lab ventilators to match clinical purchases as funds become available. (12/03/2016)
SLO #2 Demo ICU RC Procedures - During classes & labs, students will demonstrate and explain appropriate respiratory care competencies such as FIO2 monitoring and managing	**Exam/Test/Quiz -** During lab student given scenario and is asked to explain FI02 management of patient on ventilator simulating ICU conditions.	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met During lab, student given scenario and is asked to explain FI02 management of patient on ventilator simulating ICU	**Action:** Will continue to attempt to procure funds to replace aging ventilators as funds becom available. (12/03/2016)

Course SLOs	Assessment Method Description	Results	Actions
patients receiving prolonged artificial ventilation, pulmonary rehabilitation, life support procedures, bronchial hygiene and oxygen therapy. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Standard and Target for Success:** It is expected 100% of the students will complete this task within the second attempt **Additional Information:**	conditions. 100% of the students completed the task successfully within the second attempt. (12/03/2015) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson, Doug Mizukami, Taryn Parker	**Action Category:** Program/College Support **Follow-Up:** CTE and Foundation requests for funding to update current ventilators were sought. Will continue to make requests in next cycle period. (11/29/2017) **Action:** During lab simulation students reported that ventilators in lab are being replaced in the field with newer generation of these ventilators. Will attempt to replace the ventilators in the lab as funds become available. (12/03/2016) **Action Category:** Program/College Support
SLO #3 Comprehensive Final Exam on RC Procedures for ICU RC Patients - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** students will take a comprehensive final multiple choice examination **Standard and Target for Success:** 80% will obtain a grade of 70% or better **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 19/20 students completed the final exam with a minimum score of 70%. The one student who did not meet the standard was absent from the final exam. (12/14/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:**	**Action:** The students did comment that there is now newer monitoring technology in the clinical facilities that is not in the ECC respiratory care lab making it increasingly difficult to perform well on exams. Funding will be sought to obtain this newer monitoring technology for the lab. (12/14/2017) **Action Category:** Program/College Support **Follow-Up:** Funding was sought to obtain this newer monitoring technology for the lab and some was obtained though the Madden Foundation Grant for 2017. More funding is still needed to replace the remainder of the aging technology. Will continue to seek funding and monitor student

Course SLOs	Assessment Method Description	Results	Actions
			performance clinically with the newer clinical technology at the clinics. (12/05/2018)

ECC: RC 288:Fund Pulmonary Function Testng

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Appropriate and Competent PFT Administration - Given an in-class patient care scenario during an oral examination based on assigned reading, demonstrate appropriate and competent clinical competencies for performing basic bedside Pulmonary Function Testing found in the section of the Data Arc system for clinical practice. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** oral examination describing volume testing of COPD patient whose ABG gas indicates the need for 02 adjustments. **Standard and Target for Success:** Achieve 100% score on the oral examination. 100% of all participants must meet the standard in two attempts. **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met 100% of the students who performed the oral examination (19/19) were able to describe volume testing of COPD patient whose ABG gas indicates the need for 02 adjustments. Students again identified that the clinical sites were introducing newer technology ventilators. Students will require more practice in the lab settings to help prepare students to successfully manage patients in the clinical settings due to increased sophistication in the newer technology. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Raymund Adoc	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. (12/05/2018) **Action Category:** Program/College Support
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Students were able to achieve 100% on the oral examination with minimal difficulty. All were able to complete on first attempt. The high standard of 100% on the examination is vital since these same students will be training clinically with actual volume measurements at various clinical sites where the patients well-being during testing is of the highest importance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. Possible teaching strategies include use of most current software training tools designed specifically for respiratory care such as Decision Simulation Software which allows for usage in the greatest amount of classes. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty

Course SLOs	Assessment Method Description	Results	Actions
		mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Vicki Robertson, Doug Mizukami, Raymund Adoc	was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2015) **Action Category:** Program/College Support **Follow-Up:** A new manikin was obtained with VATEA funds to assist in learning process. Students reported that at the clinical sites providing pulmonary function clinical experience that new testing equipment was being put in place. The program will attempt to procure funding to purchase newer testing equipment to assist students in educational process. (12/03/2015)
SLO #2 Expain RC PFT Administration - During classes & labs, students will demonstrate and explain appropriate respiratory care Pulmonary Function Testing competencies such as performing a FEV1, FVC and the calculations to convert to FEV1%. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015)	**Exam/Test/Quiz -** The students will conduct FEV1, FVC tests and convert results to FEV1%. **Standard and Target for Success:** 100% of students will achieve 100% on this exam within two attempts. **Additional Information:**	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met Students conducted FEV1 and FVC tests and asked to convert results to FEV1%. All students were able to perform tests and do the conversion to FEV1% achieving 100% within two attempts. Students reported that they are now using more current technologies in the clinical facilities to perform these tests. This may present a problem while out in the clinical facilities in their clinical performances. (12/03/2015)	**Action:** Funding will be sought to procure more current technologies to assist students in their clinical performance. (12/03/2015) **Action Category:** Program/College Support **Follow-Up:** CTE and Foundation requests for funding to update current bedside PFT technologies

Course SLOs	Assessment Method Description	Results	Actions
Input Date: 11/29/2013 **Inactive Date:** **Comments::**		**% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Raymund Adoc	were sought. Will continue to make requests in next cycle period. (11/29/2017)
SLO #3 Comprehensive Final Exam on Pulmonary Function Testing - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination on Pulmonary Function Testing and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** students will take a comprehensive final multiple choice examination on Pulmonary Function **Standard and Target for Success:** 80% will obtain a grade of 70% or better. **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 15 students took the final multiple choice examination with 15/15 receiving at least the minimum score of 70% (12/15/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Raymund Adoc	**Action:** Students commented that pulmonary function equipment in the clinical sites are now using new technology which is making passing exams more difficult without ability to learn on the equipment in the ECC respiratory care multimedia lab. The program will search for funding to purchase this new technology for the lab. (12/15/2017) **Action Category:** Program/College Support **Follow-Up:** Funding was sought to obtain this newer monitoring technology for the lab and some was obtained though the Madden Foundation Grant for 2017. More funding is still needed to replace the remainder of the aging technology. Will continue to seek funding and monitor student performance clinically with the newer clinical technology at the clinics. (12/05/2018)

ECC: RC 289:Adv Resp Thrpy Asmtic Patient

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Explain Acute vs Chronic Asthma - Students will be able to answer written questions, oral questions and perform procedures that demonstrate knowledge and ability to manage patients with acute and chronic asthma. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** oral examination describing management of a patient with an acute athma exacerbation whose ABG indicates the need for 02 adjustments. **Standard and Target for Success:** Achieve 100% score on the oral examination. 100% of all participants must meet the standard in two attempts. **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met 100% of the students who performed the oral examination (17/17) were able to demonstrate appropriate and competent FI02 management with a patient with acute asthma. Students again identified that the clinical sites were introducing newer technology ventilators. Students will require more practice in the lab settings to help prepare students to successfully manage patients in the clinical settings due to increased sophistication in the newer technology. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson, Ed Guerrero	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. Funding will be sought to replace the aging technology in the RC multimedia lab (12/05/2018) **Action Category:** Program/College Support
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Students were able to achieve 100% on the oral examination with minimal difficulty. All were able to complete on first attempt. The high standard of 100% on the examination is vital since these same students will be training clinically with actual asthmatic patients in the E.D. at various clinical sites where asthmatic patients well-being is of the highest importance. The students did report that during their preparation for the examination, newer technologies inasthamtic patioents medication delivery were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. Possible teaching strategies include use of most current software training tools designed specifically for respiratory care such as Decision Simulation Software which allows for usage in the greatest amount of classes. The students did report that during their preparation for the examination, newer technologies in asthmatic medication delivery were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the

Course SLOs	Assessment Method Description	Results	Actions
		would allow more time for each student to spend learning material. (11/17/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Vicki Robertson, Doug Mizukami	examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2015) **Action Category:** Program/College Support **Follow-Up:** A new manikin was obtained with VATEA funding to assist in student education. Monitoring of student performance will continue. (12/03/2015)
SLO #2 Demonstrate Cognitive Knowledge of Asthma Control - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination on Asthma management & control and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** Students will take an end of the semester final multiple choice examination on Asthma management and control. **Standard and Target for Success:** 80% will obtain a grade of 70% or better. **Additional Information:**	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met 100% of the students taking the comprehensive final multiple choice examination on Asthma management & control (11/11) achieved 70% or greater. (12/07/2015) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson	**Action:** continue to monitor results and adjust teaching strategies such as more computerized clinical simulations with human patient simulators (12/07/2016) **Action Category:** Teaching Strategies **Follow-Up:** Students were originally allotted one hour for 5 sessions with the adult and neonatal HPS manikins. Making teaching adjustments this semester students were allotted 1 hour more each session with a minimum of 5 session per each student to increase interaction with adult and neonatal HPS

Course SLOs	Assessment Method Description	Results	Actions
			manikins and computer simulations. Students reported more satisfactory experience with manikins and actual patient situations. (11/29/2017) (11/29/2017)
SLO #3 Demonstrate Asthma Patient Education - During classes & labs, students will demonstrate and explain appropriate respiratory care patient education techniques for pulmonary rehabilitation, MDI use, and Asthma control by the patient. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** Student will be given a scenario concerning a patient with asthma exacerbation. The student must correctly assess and suggest proper medications for treating this patient. **Standard and Target for Success:** 80% of the students will achieve a minimum score of 70%. **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 15 students were given scenarios and tested on assessing and proper ordering of medications with 15/15 achieving a minimum score of 70% (12/13/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson	**Action:** Continue evaluating teaching techniques to continue meeting the standard (12/13/2017) **Action Category:** Teaching Strategies **Follow-Up:** Continue evaluating teaching techniques to continue meeting the standard (12/05/2018)

ECC: RC 296:Physical Exam in Adv Resp Care

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Demonstrate or Explain Pulmonary Physical Exam - Students will be able to answer written questions, oral questions and perform procedures that demonstrate knowledge and ability to conduct a complete pulmonary physical exam on patients with various pulmonary disorders. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Essay/Written Assignment -** oral examination describing patient assessment of a COPD patient on mechanical ventilator whose ABG gas indicates the need for 02 adjustments. **Standard and Target for Success:** Achieve 100% score on the oral examination. 100% of all participants must meet the standard in two attempts. **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met 100% of the students who performed the oral examination (17/17) were able to describe patient assessment of a COPD patient on mechanical ventilator whose ABG gas indicates the need for 02 adjustments. Students again identified that the clinical sites were introducing newer technology ventilators. Students will require more practice in the lab settings to help prepare students to successfully manage patients in the clinical settings due to increased sophistication in the newer technology. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson	**Action:** Funding will be sought to replace the aging technology in the RC multimedia lab. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. (12/05/2018) **Action Category:** Program/College Support
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Students were able to achieve 100% on the oral examination with minimal difficulty. All were able to complete on first attempt. The high standard of 100% on the examination is vital since these same students will be training clinically with actual ventilator patients at various	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. Possible teaching strategies include use of most current software training tools designed specifically for

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		clinical sites where the ventilator patients well-being is of the highest importance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Vicki Robertson, Doug Mizukami, Raymund Adoc	respiratory care such as Decision Simulation Software which allows for usage in the greatest amount of classes. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2015) **Action Category:** Program/College Support **Follow-Up:** A new manikin was obtained with VATEA funding to assist in student education. Monitoring will continue of student performance. (12/03/2015)
SLO #2 Show How to Apply Physical Exam Knowledge to Patients - During classes & labs, students will be able to participate in physical exam of the chest VP and HPS mini simulations applying their knowledge of physical exam to patients and identifying various pulmonary conditions.	**Exam/Test/Quiz -** students performed physical exam of the chest VP and HPS mini simulations applying their knowledge of physical exam to patients and identified various pulmonary conditions. **Standard and Target for Success:** 100% of the students will achieve	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met students performed physical exam of the chest VP and HPS mini simulations applying their knowledge of physical exam to patients and identified various pulmonary conditions. All students were able to achieve 100% scores within two	**Action:** More time will be spent with actual hands on experience with the manikin. Also, more computerized simulations will be used to link lab results with actual clinical experience. (12/03/2016) **Action Category:** Teaching

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
Course SLO Status: Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	100% score within two attempts. **Additional Information:**	attempts. Students reported they wanted more interaction with the manikin and correlation between results in the lab and actual patient situations. (12/03/2015) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson, Doug Mizukami, Taryn Parker	Strategies **Follow-Up:** Students were originally allotted one hour for 5 sessions with the adult HPS manikin. Making teaching adjustments this semester students were allotted 1 hour more each session with a minimum of 5 session per each student to increase interaction with adult HPS manikin and computer simulations. Students reported more satisfactory experience with manikins and actual patient situations. (11/29/2017) (11/29/2017)
SLO #3 Demonstrate Cognitive Knowledge of Physical Exam of the Chest in RC - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination on conducting, performing and interpreting Physical exam of the chest and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** students given a comprehensive final multiple choice examination on conducting, performing and interpreting Physical exam of the chest **Standard and Target for Success:** 80% of participants will achieve a minimum score of 70% **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 15 students took the comprehensive final multiple choice examination on conducting, performing and interpreting physical exam of the chest with 15/15 achieving the minimum score of 70%. (12/13/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:**	**Action:** Students commented that new ventilator technology was being used in the clinical settings that was not available in the ECC respiratory care multimedia lab making the ability to pass the exam increasingly more difficult. Will seek funding to replace the ventilators in the lab with the newer technology in the clinical facilities. (12/13/2017) **Action Category:** Program/College Support **Follow-Up:** Funding was sought to obtain this newer monitoring technology for the lab and some was obtained though the Madden Foundation Grant for 2017. More funding is still needed to replace the remainder of the aging technology. Will continue to seek funding and monitor student

Course SLOs	Assessment Method Description	Results	Actions
			performance clinically with the newer clinical technology at the clinics. (12/05/2018)

ECC: RC 297:Perinatal/Ped in Adv Resp Care

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Demo Competent Management of Perinatal and Pediatric Patients - Students will be able to answer written questions, oral questions and perform procedures that demonstrate knowledge and ability to manage perinatal and pediatric patients receiving all forms of respiratory care for various pulmonary disorders. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** oral examination describing ventilator management of a newborn on mechanical ventilator whose UA gas indicates the need for C02 adjustments. **Standard and Target for Success:** Achieve 100% score on the oral examination. 100% of all participants must meet the standard in two attempts. **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met 100% of the students who performed the oral examination (17/17) were able to describe ventilator management of a newborn on mechanical ventilator whose UA gas indicates the need for C02 adjustments. Students again identified that the clinical sites were introducing newer technology ventilators. Students will require more practice in the lab settings to help prepare students to successfully manage patients in the clinical settings due to increased sophistication in the newer technology. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson, Taryn Parker	**Action:** Funding will be sought to replace the aging technology in the RC multimedia lab. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. (12/05/2018) **Action Category:** Program/College Support
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Students were able to achieve 100% on the oral examination with minimal difficulty. All were able to complete on first attempt. The high standard of 100% on the examination is vital since these same students will be training clinically with actual neonatal ventilator patients at various clinical sites where the neonatal ventilator patients	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. Possible teaching strategies include use of most current software training tools designed specifically for respiratory care such as Decision

Course SLOs	Assessment Method Description	Results	Actions
		well-being is of the highest importance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Vicki Robertson, Doug Mizukami, Raymund Adoc	Simulation Software which allows for usage in the greatest amount of classes. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2015) **Action Category:** Program/College Support **Follow-Up:** A new manikin was obtained with VATEA funds to assist in educational process. Monitoring will continue of student performance. (12/03/2015)
SLO #2 Contrast Neonatal & Pediatric care - During classes & labs, students will be able to contrast and take appropriate action when given mini simulations involving neonatal vs pediatric patients requiring respiratory care. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2015-	**Exam/Test/Quiz -** students will be assigned scenarios and monitored for appropriate action when given mini simulations involving neonatal vs pediatric patients requiring respiratory care. **Standard and Target for Success:** 100% of the students will achieve 100% scores within two attempts.	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met students were assigned scenarios and monitored for appropriate action when given mini simulations involving neonatal vs pediatric patients requiring respiratory care. 100% (11/11) were able to achieve 100% scores within two attempts. (12/03/2015)	**Action:** continue to monitor student success and adjust teaching strategies to include more usage of human patient simulations using mannikins to assist in educating students. (12/07/2016) **Action Category:** Teaching

Course SLOs	Assessment Method Description	Results	Actions
16 (Fall 2015) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Additional Information:**	**% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson, Doug Mizukami, Taryn Parker	Strategies **Action:** Student performance will continue to be monitored and adjustments such as more time with mannikins and more computerized simulations will be employed to help maintain student performance. (12/03/2016) **Action Category:** Teaching Strategies **Follow-Up:** Students were originally allotted one hour for 5 sessions with the neonatal manikin. Making teaching adjustments this semester students were allotted 1 hour more each session with a minimum of 5 session per each student to increase interaction with neonatal manikin and computer simulations. Students reported more satisfactory experience with neonatal manikins and actual patient situations. (11/29/2017) (11/29/2017)
SLO #3 Demonstrate Cognitive Knowledge of Perinatal and Pediatric Respiratory Care - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination on the differences in respiratory care for neonatal, pediatric and adult patients requiring RC and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active	**Exam/Test/Quiz -** students will take a comprehensive final multiple choice examination on the differences in respiratory care for neonatal, pediatric and adult patients **Standard and Target for Success:** 80% of students who take the exam will obtain a grade of 70% or better **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 15 students took the comprehensive final multiple choice examination on the differences in respiratory care for neonatal, pediatric and adult patients with 15/15 achieving a minimum grade of 70% . (12/13/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson	**Action:** Students commented that there is newer ventilator technology in the clinical facilities which makes passing the exam increasingly more difficult. Will search for funding to obtain this newer technology for the ECC respiratory care multimedia lab. (12/13/2017) **Action Category:** Program/College Support

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
Course SLO Assessment Cycle: 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**			**Follow-Up:** Funding was sought to obtain this newer monitoring technology for the lab and some was obtained though the Madden Foundation Grant for 2017. More funding is still needed to replace the remainder of the aging technology. Will continue to seek funding and monitor student performance clinically with the newer clinical technology at the clinics. (12/05/2018)

ECC: RC 298:Advanced Emergency Management

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
SLO #1 Functioning as a Rapid Response Team - Students will be able to answer written questions, oral questions and perform procedures that demonstrate knowledge and ability to manage widespread emergency disaster plan and function as part of the team performing respiratory procedures and therapy on patients with various pulmonary disorders. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2014-15 (Fall 2014), 2017-18 (Fall 2017) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** oral examination describing emergency management of a trauma victim with pulmonary disorders in the E.D. whose physical assessment indicates the need for therapeutic management adjustments. **Standard and Target for Success:** Achieve 100% score on the oral examination. 100% of all participants must meet the standard in two attempts. **Additional Information:**	**Semester and Year Assessment Conducted:** 2017-18 (Fall 2017) **Standard Met? :** Standard Met 100% of the students who performed the oral examination (17/17) were able to describe emergency management of a trauma victim with pulmonary disorders in the E.D. whose physical assessment indicates the need for therapeutic management adjustments.. Students again identified that the clinical sites were introducing newer technology ventilators. Students will require more practice in the lab settings to help prepare students to successfully manage patients in the clinical settings due to increased sophistication in the newer technology. (12/05/2017) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson	**Action:** Funding will be sought to replace the aging technology in the RC multimedia lab. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. (12/05/2018) **Action Category:** Program/College Support
		Semester and Year Assessment Conducted: 2014-15 (Fall 2014) **Standard Met? :** Standard Met Students were able to achieve 100% on the oral examination with minimal difficulty. All were able to complete on first attempt. The high standard of 100% on the examination is vital since these same students will be training clinically with actual trauma patients at various clinical sites where the trauma patients well-being is of the	**Action:** Will monitor student performance associated with oral examination to see if changes in technology maybe affecting overall performance. Possible teaching strategies include use of most current software training tools designed specifically for respiratory care such as Decision

Course SLOs	Assessment Method Description	Results	Actions
		highest importance. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material. (11/17/2014) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Vicki Robertson, Doug Mizukami, Raymund Adoc	Simulation Software which allows for usage in the greatest amount of classes. The students did report that during their preparation for the examination, newer technologies in ventilators were mentioned in their researches that were not available in the RC Lab to help them prepare. The faculty was able to administer the examination successfully but may have difficulty in maintaining the standard in the future. Software such as Decision Simulation can assist students in technical skill portion of this class. Also, updated mannequins and a second Human Patient Simulator focusing on Respiratory Emergencies would allow more time for each student to spend learning material (11/17/2015) **Action Category:** Program/College Support **Follow-Up:** Anew manikin was obtained using VATEA funds. Monitoring will continue of student performance. (12/03/2015)
SLO #2 Explain & Demo Use of Emergency Management Procedures & Equipment - During classes & labs, students will be able to apply emergency management procedures when given mini simulations involving natural, accidental and terrorists-based emergencies requiring respiratory care and coordination of resources.	**Exam/Test/Quiz -** students will be given mini simulations involving accidental emergencies requiring emergency respiratory care procedures. **Standard and Target for Success:** 100% of the students will achieve 100% scores **Additional Information:**	**Semester and Year Assessment Conducted:** 2015-16 (Fall 2015) **Standard Met? :** Standard Met Students were given mini simulations involving accidental emergencies requiring emergency respiratory care procedures. All students were able to achieve 100% scores within two attempts. Students reported they wanted more interaction with the manikin and correlation between results in the lab and actual patient situations. (12/03/2015)	**Action:** More time will be allotted to allow for more interaction with the manikin and more computerized simulations will be assigned to help with correlation between lab results and actual patient situations. (12/03/2016) **Action Category:** Teaching Strategies

Course SLOs	*Assessment Method Description*	*Results*	*Actions*
Course SLO Status: Active **Course SLO Assessment Cycle:** 2015-16 (Fall 2015) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**		**% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:** Victoria Robertson, Doug Mizukami, Taryn Parker	**Follow-Up:** Students were originally allotted one hour for 5 sessions with the manikin. Making teaching adjustments this semester students were allotted 1 hour more each session with a minimum of 5 session per each student to increase interaction with manikin and computer simulations. Students reported more satisfactory experience with manikins and actual patient situations. (11/29/2017)
SLO #3 Demonstrate Cognitive Knowledge of Emergency Management in Respiratory Care - Students who stay in the course till the end of semester will take a comprehensive final multiple choice examination applying the principals and procedures of emergency management in RC and 80% will obtain a grade of 70% or better. **Course SLO Status:** Active **Course SLO Assessment Cycle:** 2016-17 (Fall 2016) **Input Date:** 11/29/2013 **Inactive Date:** **Comments::**	**Exam/Test/Quiz -** students will take a comprehensive final multiple choice examination applying the principles and procedures of emergency management in respiratory care. **Standard and Target for Success:** 80% of the students who take the final exam will obtain a grade of 70% or better **Additional Information:**	**Semester and Year Assessment Conducted:** 2016-17 (Fall 2016) **Standard Met? :** Standard Met 15 students took the comprehensive final multiple choice examination applying the principles and procedures of emergency management in respiratory care. 15/15 achieved a minimum grade of 70%. (12/13/2016) **% of Success for this SLO:** **Faculty Assessment Leader:** Roy Mekaru **Faculty Contributing to Assessment:**	**Action:** Students commented that there is newer monitoring technology in the clinical facilities that makes it difficult to learn to manage emergency respiratory care within the ECC respiratory care multimedia lab. Will seek funding to obtain newer monitoring technology for the ECC respiratory care multimedia lab. (12/13/2017) **Action Category:** Program/College Support **Follow-Up:** Funding was sought to obtain this newer monitoring technology for the lab and some was obtained though the Madden Foundation Grant for 2017. More funding is still needed to replace the remainder of the aging technology. Will continue to seek funding and monitor student performance clinically with the newer clinical technology at the

Course SLOs	Assessment Method Description	Results	Actions
			clinics. (12/05/2018)