Assessment: Course Four Column

Fall 2017

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 **Follow-Up:** Teaching strategies have been adjusted to account for difference in learning styles of millennials and generation Z students . Will follow-up and continue to adjust as necessary to have continued achievement of the standard (06/15/2019) **Follow-Up:** Student success was monitored and no adjustments made to teaching techniques to help maintain success rate at this time. Student success will be continued to be monitored and appropriate adjustments made to teaching techniques to help maintain success rate (06/28/2018)

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 **Follow-Up:** Student success monitored and teaching methods adjusted to help maintain student success levels. (10/24/2018)

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 **Follow-Up:** Funding being sought to replace the aging technology in the RC multimedia lab. 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. (10/24/2018)

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 **Follow-Up:** Funding still being sought to upgrade equipment in the ECC Multimedia Lab. Student performance still in acceptable range, but more are now requiring 2 attempts to pass. (10/24/2018)

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 **Follow-Up:** Funding still being sought to upgrade the ventilators in the ECC multimedia Lab. Student performance will be monitored to see if changes in technology maybe affecting overall performance. (12/13/2018)

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 **Follow-Up:** Funding obtained through strong workforce initiative to purchase two new manikins. Funding still being sought to provide more varied scenarios when using the manikins and to upgrade ventilators in ECC Multimedia Lab. (10/24/2018)

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 **Follow-Up:** Funding being sought to obtain more varied scenarios when using the manikin and upgrade ventilators used in conjunction with the Neonatal Patient Simulator. (10/24/2018)

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 **Follow-Up:** Funding still being sought to upgrade ventilator technology in the ECC Multimedia Lab. Also, teaching strategies reviewed to help keep the students up to date with most current techniques for emergency management. (10/24/2018)