



El Camino College
COURSE OUTLINE OF RECORD – Official

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| Subject: | RC |
| Course Number: | BSRC 377 |
| Descriptive Title: | Respiratory Care Management Using Evidence Based Medicine |
| Division: | Health Sciences and Athletics |
| Department: | Respiratory Care |
| Course Disciplines: | Respiratory Technologies |
| Catalog Description: | This course is an introduction to the purpose and application of disease management with emphasis on discharge planning, patient education, ethical standards of practice, and disease management strategies and methods. |
| Prerequisite: | Admission to El Camino College Respiratory BS Program Eligibility for RCP license in California: 1. Graduation from a CoARC accredited Respiratory Care Program 2. A.S. degree from an accredited Community College 3. Completion of the 39 required CSU-GE Transfer Pattern units (IGETC) |
| Co-requisite: | |
| Recommended Preparation: | |
| Enrollment Limitation: | |
| Hours Lecture (per week): | 3 |
| Hours Laboratory (per week): | 0 |
| Outside Study Hours: | 6 |
| Total Course Hours: | 54 |
| Course Units: | 3 |
| Grading Method: | Letter Grade only |
| Credit Status: | Credit, degree applicable |
| Transfer CSU: | |
| Effective Date: | |
| Transfer UC: | |
| Effective Date: | |
| General Education ECC: | |
| Term: | |
| Other: | |
| CSU GE: | |
| Term: | |
| Other: | |
| IGETC: | |
| Term: | |

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| Other: | |
| Student Learning Outcomes: | <p>SLO #1 EBM Teaching Strategies</p> <p>Demonstrate organizational and developmental skills when designing the final assignment dealing with developing and implementing instructional content using evidenced-based teaching strategies.</p> <p>SLO #2 Research Skills</p> <p>Integrate the broad range of research skills learned across the curriculum when researching a project that evaluates current practices within the medical field.</p> <p>SLO #3 EBM Data Analysis</p> <p>Completion of the final assignment using the methodological approach, collection, measurement, and evidence-based medical data analysis.</p> |
| Course Objectives: | <ol style="list-style-type: none"> 1. Design a departmental budget. 2. Illustrate fundamental leadership skills. 3. Utilize financial management processes. 4. Examining various ways that encourage patients to take responsibility for their own health. 5. Survey behaviors that embrace cultural diversity. |
| Major Topics: | <p>I. Ethics in Healthcare (8 hours, lecture)</p> <ol style="list-style-type: none"> A. Applying legal processes that impact healthcare information B. Standards of Practice <ol style="list-style-type: none"> 1. Organizational ethics 2. Ideological theories <p>II. Evidence-Based Medicine (18 hours, lecture)</p> <ol style="list-style-type: none"> A. Quantitative vs. Qualitative evidence B. The Four States of Knowing C. Ethical principles that guide patient care D. Adopting utilitarian and/or deontological postures in healthcare organizations <p>III. Health Informatics (18 hours, lecture)</p> <ol style="list-style-type: none"> A. Building policies and strategies to achieve data integrity B. Policies, regulations and standards in the management of informatics C. Identifying best human resource strategies for organizational best practices in health informatics D. Develop privacy strategies which guard health information (HIPPA) <p>IV. Patient Education (10 hours, lecture)</p> <ol style="list-style-type: none"> A. Identifying, selecting and reviewing medical vs. lay literature deciding which information is valid and applicable to patients and patient care B. Using Evidence-Based Medicine (EBM) literature to enhance patient outcomes |
| Total Lecture Hours: | 54 |
| Total Laboratory Hours: | 0 |
| Total Hours: | 54 |
| Primary Method of Evaluation: | 1) Substantial writing assignments |

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| Typical Assignment Using Primary Method of Evaluation: | Research the use of smartphones as an instrument in the support of recently discharged patients as they navigate through the healing process. Use information from five scholarly and internet sources that support its need and potential future in healthcare. Examine whether or not this tool would create or add value to an organization's discharge planning. Explain your findings in a three-page report. |
| Critical Thinking Assignment 1: | Formulate a Patient Education Plan for a common chronic health challenge related to respiratory care. Provide a rationale for each approach and describe a tool you would use to engage and educate the patient and his or her family. |
| Critical Thinking Assignment 2: | Since 1991, the American Society of Health System Pharmacists have advocated for the use of 0.9% saline in maintenance of peripheral lines in nonpregnant adults. Determine what you believe are some of the barriers that would have caused the delay in implementation and explain in a two-page paper. |
| Other Evaluation Methods: | Reading Reports, Term or Other Papers, Written Homework |
| If Other: | |
| Instructional Methods: | Discussion, Lecture, Multimedia presentations |
| If other: | |
| Work Outside of Class: | Answer questions, Problem solving activity, Required reading, Study, Written work (such as essay/composition/report/analysis/research) |
| If Other: | |
| Up-To-Date Representative Textbooks: | Kathleen Mastrian, Dee McGonigle. <u>Informatics for Health Professionals</u> . 2nd ed. Jones & Bartlett Learning, 2021. |
| Alternative Textbooks: | |
| Required Supplementary Readings: | |
| Other Required Materials: | |
| Requisite Category | |
| Requisite course: | |
| Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). | |
| Requisite Skill: | Admission to El Camino College Respiratory Care BS Program Eligibility for RCP license in California Graduation from a CoARC accredited Respiratory Care Program AS Degree from an accredited community college |

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| Requisite Skill and Matching skill(s): Bold the requisite skill(s) if applicable | To receive a Baccalaureate of Science degree in Respiratory Care, students are required to meet the minimum eligibility requirements for Respiratory Care license in California. These are: 1. 39 units of CSU-GE transferable units from an accredited community college. 2. 40 units are credited to the A.S. Respiratory Care degree courses. |
| Requisite course: | |
| Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s). | |
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| Enrollment Limitations and Category: | |
| Enrollment Limitations Impact: | |
| Course Created by: | Victoria Robertson |
| Date: | 11/7/2022 |
| Original Board Approval Date: | 01/17/2023 |