CURRICULUM SIS ENTRY

☐ 1. Check Course Number	☐ 6. SMAALIB
☐ 2. SCACRSE	☐ 7. SMAAREA
☐ 3. SCADETL	☐ 8. SCAPREQ
☐ 4. SCASYLB	☐ 9. Summer Prereq
☐ 5. SCARRES	☐ 10. SZACXRF / CBM003

TEXAS STATE UNIVERSITY
COURSE ADDITION FORM

1. Effective Semester: Fall 2017

2. College: Health Professions	**3.** Department/School/Program: Respiratory Care

4. Prefix/Subject				Number				
R	C			5	3	0	5	

5. Course Title:

Proposed Long	Respiratory Care Applied Research

Abbreviated (18 characters only including spaces)

R	C		A	P	P	L	I	E	D		R	E	S	R	C	H	

6. Course Description (complete sentences in 50 words or less): This course provides an opportunity to apply research methods and design concepts to an approved research idea. Students will design and submit a research proposal to the Texas State University's Institutional Review Board (IRB) for approval.

7. Prerequisites (Including Minimum Grade Required): RC 5303	**9.** Restrictions: Departmental approval required
8. Co-Requisites (Including Concurrent Enrollment Allowed): None	

10. Course Data

CIP Code (10 digits - no spaces or periods)									
5	1	0	9	0	8	0	0	1	4

Instruction Type		Lecture Contact Hours	Lab Contact Hours	Credit Hours	Repeatable for Credit?		Maximum Credit Hours Allowed
1-Lecture	X	3	0	3	Yes	X	99
2-Lab	☐				No		
3-Practicum/Intrnshp/ Student Teaching	☐						
4-Seminar	☐						
5-Independent Study	☐						
6-Private Lesson	☐						
8-Thesis	☐						
9-Dissertation	☐						
0-Individualized	☐						
C-Clinical	☐						

Writing Intensive?		Topics Course?	
Yes	☐	Yes	☐
No	X	No	X

Valid Grade Mode (choose only one) (See PPS 4.07 for definitions.)	
Standard Letter	X
Credit/ No Credit	☐
Leveling/Assistantships/ESL	☐
Developmental	☐

Course Equivalency(s) (Prefix and Number)

11. Justification for the course action:	
Degree: MSRC	Major: Respiratory Care
Minor: N/A	Certificate: N/A

Explain why the new course is needed.
This is a required core course in the proposed Master of Science in Respiratory Care. The course extends information presented in RC 5303, Respiratory Care Research Methods & Designs, to research project design and development through implementation. This course addresses Program Objectives 1, 2, and 3.

12. Course Goals and Objectives:

- Must be stated in measurable terms using action verbs. Please refer to *Bloom's Taxonomy of Measurable Verbs*.

Upon completion of this course, the student will:

1) Discuss the creation of research ideas.
2) Compare and contrast valid and invalid research questions.
3) Critically appraise available literature related to research ideas and questions.
4) Identify research methods, including appropriate test statistics, to answer the research questions.
5) Discuss the recruitment and assignment of subjects for research studies.

13. Description of Instructional Methodologies:

- Examples include lecture, discussions, group projects, role playing, simulations, modeling, field-based activities, writing, cooperative learning, inquiry, experimentation, product design, creative activities, case studies, seminars, internship activities, coaching, etc.

1) Online lectures
2) Online group discussion
3) Literature search
4) Presentation of proposed research
5) Writing

14. Assessment of Student Learning:

- Examples include tests, projects, presentations, performances, creative works, papers, etc.
- Must include percentages of total grade assigned.
- Must have distinct differences between a graduate level course and an undergraduate course (in case of stacked courses).

1) Individual Readiness Assessment - 30%
2) Team Readiness Assessment – 10%
3) Presentation of proposed research – 30%
4) Final Exam – 30%

15. Course Outline:

- Provide a weekly outline as appropriate for an example semester in which the course will be taught.

Week 1: Initial meeting with instructor and course orientation regarding expectations and evaluation. Formulate the research question. Week 2: Collect published research. Week 3: Designing the study. Week 4: Designing the study. Week 5: Selecting the test statistics. Week 6: Formulate subject selection protocol. Week 7: Creating the informed consent document. Week 8: Creating the data collection form. Evaluate data feasibility.	Week 9: Writing the research paper, including the appropriate sections. Week 10: Writing the research paper. Week 11: Writing the research paper. Week 12: How to create a professional Powerpoint presentation. Week 13: How to create a professional poster presentation. Week 14: Developing the IRB proposal. Week 15: Presentations due. Peer evaluations. Week 16: Final examination and course evaluation.

16. Suggested Textbook(s) and Other Learning Resources:

- Must list the required and/or recommended resources (e.g., relevant textbooks, course packets, websites), with complete bibliographical data (author, title, date and other publication data) in a standard academic format (e.g., CBE, APA, MLA, Chicago, etc.)

Required textbook:

Chatburn, R.L. (2011). *Handbook for Health Care Research.* Sudberry, MA:Jones & Bartlett.

17. Bibliography:

- Must include literature other than required textbooks and other learning resources.
- Must demonstrate familiarity with current research. Ordinarily, the bibliography should include scholarship published during the last five years.
- Must conform to a standard academic format (e.g., CBE, APA, MLA, Chicago, etc.) Each bibliography will use only one format.

Blessings, D. J. & Forister, J. G. (2013). *Introduction to Research and Medical Literature for Health Professionals.* Burlington, MA:Jones & Barlett.

Cooper, I. D. (2015). How to write an original research paper (and get it published). *Journal of The Medical Library Association*, (2), 67. doi:10.3163/1536-5050.103.2.001

Das, R & Das, P. N. (2011). *Biomedical Research Methodology.* New Delhi, India: Jaypee Brothers Medical Publishers.

Goyal, R. C. (2015). *Research Methodology for Health Professionals.* New Delhi, India:Jaypee Brothers Medical Publishers.

Portney, L. G. & Watkins, M. P. (2015). *Foundations of Clinical Research: Applications to Practice (3rd Ed.).* Philadelphia, PA:F. A. Davis.

18. Approvals:

Department Chair/Program Director/School Director	9.12.16 Date
Chair of College Curriculum Committee	9-12-16 Date
Dean of College	9/12/16 Date
Dean of The Graduate College (if applicable)	10/14/2016 Date
Chair of University Curriculum Committee (if applicable)	Date

TEXAS STATE RCV'D
OCT 13 2016
GRADUATE COLLEGE