

4-1-2005

SR-04-05-(29) 86 APC

Marshall University

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**ACADEMIC PLANNING COMMITTEE  
RECOMMENDATION**

**SR-04-05-(29) 86 APC**

Recommends that the attached College of Health Professions' Intent to Plan statement for a collaborative Bachelor of Science in Respiratory Care program (with St. Mary's Medical Center) be approved.

**RATIONALE:**

Marshall University is required to express to the chancellor an intent to plan a new baccalaureate program (section 3.7 of WV Higher Education Policy Commission Series 11: *Submission of Proposals for New Academic Programs and the Discontinuance of Existing Programs*). The College of Health Professions has presented an intent-to-plan document for the program named above, which the Academic Planning Committee has reviewed. The Committee finds that the proposal meets the requirements of WVHEPC Series 11; will provide the only such degree program in a publicly funded institution in the state; will fill a critical need in the state for trained respiratory care therapists; and provides a positive link between the university and the community.

**FACULTY SENATE ASSISTANT CHAIR:**

APPROVED  
BY SENATE: Cheryl A Brown DATE: 4/1/05

DISAPPROVED  
BY SENATE: \_\_\_\_\_ DATE: \_\_\_\_\_

**UNIVERSITY PRESIDENT:**

APPROVED: [Signature] DATE: 4/8/05

DISAPPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**COMMENTS:** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

February 11, 2005

To Whom It May Concern:

I have reviewed the Intent to Plan for the Bachelor of Science Degree in Respiratory Technology Collaborative Program with St. Mary's Medical Center. I fully support this program. It will meet local and regional needs for respiratory therapists for which there is a great shortage.

Locally, thirty to forty percent of current vacant slots for respiratory therapists have gone unfilled, often for over a year.

Sincerely yours.

Lynne B. Welch, EdD, APRN, BC-FNP  
Dean, College of Health Professions

LW/gmb

## PART 1: PROGRAM DESCRIPTION

The College of Health Professions is proposing a Bachelor of Science in Respiratory Care with St. Mary's Medical Center (SMMC). The mission of the program is to provide the only Bachelor of Science in Respiratory Care in a publicly funded institution in the state of West Virginia. It will prepare respiratory specialists at a time of critical health care professional shortages nationally and state-wide. The program objectives are listed below:

### A. Program Objectives

The Bachelor of Science in Respiratory Care will provide the opportunity to:

1. Acquire skills and knowledge required for practice [criteria delineated by the Committee on Accreditation for Respiratory Care (CoARC)].
2. Develop specialized skills for management, clinical education, or advanced respiratory modalities
3. Become engaged in life-long learning and to prepare for post-baccalaureate studies.
4. Meet societal needs for respiratory care therapists, able to practice in diverse healthcare environments.
5. Utilize critical thinking skills in respiratory care practice.
6. Apply communication skills to respiratory care practice.

### B. Program Identification

The following is the appropriate program identification as provided in the Classifications of Instructional Programs developed and published by the U.S. Department of Education Center for Educational Statistics (<http://nces.ed.gov/pubs2002/cip2000/>).

51.0908      Respiratory Care Therapy/Therapist. A program that prepares individuals, under the supervision of physicians, to assist in developing respiratory care plans, administer respiratory care procedures, supervise personnel and equipment operations, maintain records, and consult with other health care team members. Includes instruction in the applied basic biomedical sciences; anatomy, physiology, and pathology of the respiratory system; clinical medicine, therapeutic procedures; clinical expressions; data collection and record-keeping; patient communication; equipment operation and maintenance; personnel supervision; and procedures for special population groups.

### C. Program Features

The Bachelor of Science in Respiratory Care program will offer the only baccalaureate program in the State of West Virginia provided by a public institution. The degree will consist of 128 undergraduate credit hours including up to 72 credit hours which may be transferred from an Associate Degree program.

Students may enter the program in three ways: (1) At the freshman level, proceeding through all levels of coursework. Students pursuing a baccalaureate degree in Respiratory Care will, upon successful completion of RSP 211, be eligible to sit for RRT Examination. (2) At the sophomore level (spring semester) with CRT certification and successful completion of RSP 200B and prerequisite courses. (3) At the junior level (year 3) with an Associate Degree in Respiratory Care from a CoARC accredited program and RRT certification.

1. Admission and Performance Standards

Prospective students who wish to apply for admission to the Bachelor of Science in Respiratory Care degree program must meet the admission requirements listed below. In addition to admission to Marshall University, a separate application must be made to the Bachelor of Science in Respiratory Care program.

Admission Criteria

Prospective students must meet the minimum criteria listed below to be considered for admission to the program. Admission is highly competitive and will be determined by a panel of experts in the fields of respiratory care and health care education.

**Freshman Level:**

For students applying high school level, minimum qualifications include:

- ACT 21
- GPA 2.5

For students with 12 hours or more of college credit:

- An overall cumulative minimum GPA of 2.5 and a minimum of 2.4 Math/Science GPA.

**Those applying holding CRT Certification:**

- A "C" or better in all required courses in the major; required respiratory care courses may be repeated only once.
- Completion of prerequisites
- Successful completion of RSP 200 B

**For students applying for advanced standing (Junior Level)**

- A "C" or better in all required courses in the major; required respiratory care courses may be repeated only once.
- Completion of prerequisites and junior standing.
- RRT and ACLS required.
- The most highly qualified students will be selected.

Application Process

All applications must be postmarked no later than April 15 for the class beginning in the fall semester and must include the following:

- Completed application form
- Official copies of transcripts for all colleges/universities attended.
- Proof of admission to Marshall University
- Curriculum vitae indicating all respiratory care experience for those applying for advanced standing.
- A \$30 non-refundable application fee.
- Three letters of recommendation from professional associates for those applying for advanced standing.

**D. Program Outcomes**

The following outcome measures have been established for the Bachelor of Science in Respiratory Care program:

1. Eighty-five percent or more of all students admitted will successfully complete the program within four years.
2. Passage rate of > 90% on national registry exam.
3. Within six months of successful completion of the registry exam, 90% of graduates will be employed in the health care field.
4. The graduates will rank satisfaction with the program at 4.0 or greater on a scale of 1 to 5.
5. Ninety percent or more of the graduates will report attendance at or participation in professional development/continuing education programs.
6. Employers of St. Mary's/Marshall University's graduates will rank satisfaction with these graduates at 3.5 or greater (on a scale of 1 to 5).

**E. Program Delivery**

All non-respiratory didactic coursework will be offered on the Huntington campus. Respiratory Care specific didactic coursework will be taught at St. Mary's Medical Center. All practicum and capstone courses will be in area healthcare facilities.

**PART II: PROGRAM NEED AND JUSTIFICATION****A. Relationship to Institutional Goals/Objectives**

This will be a collaborative program with St. Mary's Medical Center with Marshall University providing the degree and St. Mary's Medical Center providing the faculty and program resources. It is the belief that the addition of this health professions program would be beneficial to the citizens of West Virginia by providing improved health services. This program is consistent with Marshall University's current mission and areas of emphasis. The University has expressed a commitment to improving undergraduate education.

**B. Existing Programs**

There are currently no other baccalaureate respiratory care programs in West Virginia. The closest program is located at Ohio State University. There is a profound shortage of respiratory care therapists in the state, especially those with advanced respiratory care skills. This program could provide needed skilled personnel throughout the state.

**C. Program Planning and Development**

The Bachelor of Science in Respiratory Care program has been planned and developed with St. Mary's Medical Center School of Respiratory Care, Marshall University's College of Health Professions, and an advisory committee with members of the health care community.

**D. Clientele and Need**

The majority of students who will attend St. Mary's Medical Center School of Respiratory Care/Marshall University Cooperative Respiratory Care degree program come from the surrounding counties in West Virginia, Kentucky and Ohio. Traditionally, they are Appalachian working class with a mean age of twenty-five years. Over 50% of the students in this area receive some form of financial aid through loans, grants or scholarships. There is a growing population of non-traditional students seeking a career change due to elimination of current job or voluntary

change. This program will offer employment opportunities and add to the economic development of the area. Currently there are over 300 individuals who have expressed interest and are awaiting this potential program.

**E. Employment Opportunities**

According to the U. S. Department of Labor, the employment opportunities for respiratory care therapists are expected to grow faster than the average for all occupations through 2012 due, in part, to an aging population who use these services extensively. Although hospitals tend to be the largest consumers of respiratory care therapists, changing demographics and third-party payment systems are also placing more therapists in out-patient and home-care services.

The Bureau of Labor Statistics noted that the median annual earnings of respiratory care therapists were \$40,220 in 2002.

**F. Program Impact**

This cooperative program between Marshall University's College of Health Professions and St. Mary's Medical Center will provide a positive linkage for the university and the community. Marshall University will offer all non-respiratory course work for students. Students are considered to be Marshall University students. St. Mary's School of Respiratory Care will offer all respiratory didactic and laboratory course work. Students will rotate through community clinical agencies

**G. Cooperative Arrangements**

There is strong precedence for this type of program. St. Mary's Medical Center School of Nursing and Marshall University's College of Health Professions has existed for ten years since 1995.

**H. Alternatives to Program Development**

Currently there are no program alternatives. Students wishing to pursue a baccalaureate degree in respiratory therapy must leave the area, attend a private university at considerable cost or forgo furthering their education. Once students leave the region they often do not return.

**PART III: PROGRAM IMPLEMENTATION AND PROJECTED RESOURCE REQUIREMENTS**

**A. Program Administration**

Program administration will be accomplished by a Program Director who meets the standards set forth by the national certifying body, the Committee on Accreditation for Respiratory Care (CoARC). The Program Director will organize, administer, review, develop and assure program effectiveness through on-going program assessment. This person will participate in the budget process through St. Mary's Medical Center and be responsible for a leadership role in the continued development of the program. It is expected that the Program Director will maintain current knowledge of the professional discipline and educational methodologies.

The proposed organizational chart for Marshall University's College of Health Professions illustrates the relationship between St. Mary's Medical Center and Marshall University. Further delineation of the organizational structure within Marshall University's College of Health Professions and the relationship to St. Mary's Medical Center School of Respiratory Care can be noted in the organization charts in Appendix A. A copy of the proposed contract between St. Mary's Medical Center and Marshall University's College of Health Professions can be found in Appendix B.

**B. Program Projections**

The demand is such in the tri-state area that projected program enrollment for year one would be 15-20 students. As the program becomes established, enrollment projections suggest classes of 30-40 per year.

**C. Faculty Instructional Requirements**

St. Mary's Medical Center will be responsible for additional faculty resources and benefits upon implementation of a BS program.

**D. Library Resources and Instructional Materials**

Existing Library resources will need to be increased to meet the needs of students pursuing a BS degree. St. Mary's Medical Center will be responsible for all the additional resources needed. As MU students, respiratory care students can access all Marshall University electronic databases and other library resources.

**E. Support Service Requirements**

All support services are available to MU students through St. Mary's Medical Center.

**F. Facilities Requirements**

St. Mary's Medical Center recognizes the need for more classrooms and offices and is taking steps to increase classrooms and library resources. St. Mary's Medical Center has purchased the property of the former Big Bear Complex on 5<sup>th</sup> Avenue and is currently renovating the space to house all the School of Nursing, School of Radiography, School of Respiratory Care and other educational needs.

**G. Operating Resource Requirements**

No additional resources are needed on the part of Marshall University. St. Mary's Medical Center is responsible for the operating costs. St. Mary's Medical Center has appropriated specific funding in FY 2005 for the development of the School of Respiratory Care.

**H. Source of Operating Resources**

Faculty, personnel and facility resources are the responsibility of St. Mary's Medical Center.

**PART IV: OFFERING EXISTING PROGRAMS AT NEW LOCATIONS**

Not Applicable

**PART V: PROGRAM EVALUATION****A. Evaluation Procedures****Internal Evaluation:**

Evaluation is a critical component to effective programs. Marshall University has a systematic and on-going evaluation process. All departments must submit an annual evaluation and program evaluation through the Office of Program Review and Assessment. A systematic evaluation plan will be developed to evaluate the cooperative program. This evaluation plan will be based on the standards set forth by CoARC.



All faculty members must meet CoARC requirements as set forth in the accreditation standards. Faculty are employed through St. Mary's Medical Center which conducts annual evaluations. Faculty of the School of Respiratory Care are considered Marshall University faculty as non-paid, non-tenured clinical faculty. All courses will be developed utilizing CoARC criteria and will be submitted through the appropriate committees for approval by Marshall University. A proposed course structure can be found in Appendix C.

Student satisfaction with and effectiveness of the didactic component of the program will be assessed in a variety of ways. Each semester, students will complete computer-scored anonymous surveys for all courses in which they are enrolled. The Office of Institutional Research will compile survey results and disseminate to the Dean and Program Director.

Further, all students will complete an exit survey upon finishing the program. In this survey, students will be asked to rate the quality of courses and provide input for program improvement. Additionally, graduate scores on the Registry Examination will provide further feedback for program enhancement. Alumni surveys will be sent to the graduates at six and twelve months after graduation.

Throughout the program, a variety of measures are employed to assess student learning and comprehension. Among the measures utilized in the classroom setting include, but are not limited to, written objectives and examinations. In the clinical setting, student competence will be formally evaluated by the faculty at the mid-point and the end of each clinical rotation. Students will be assigned on a 5:1 preceptor/student ratio in the clinical setting to provide continuous informal evaluation and safeguard patient safety.

Another common practice of measuring competence is through student GPA. The program policies state that a student must maintain a GPA of 2.5 throughout the program. If the student's GPA falls below a 2.5, they will be placed on academic probation and have one semester to bring it to an acceptable level or be dismissed from the program.

#### **External Evaluation**

One outcome utilized to measure the adequacy of internship graduates for advanced practice is the pass rate for first-time test takers on the Registry Examination.

The Graduate Survey, which has been discussed above, is another method utilized to measure preparedness for advanced practice. After working in the field for six and twelve months, graduates will be asked to complete a survey that solicits their feedback on the program's effectiveness in preparing them for practice.

Graduates of the program will be asked to submit the name of their employer upon securing professional employment. For the alumni who supply this information, a survey will be sent to their employer to solicit information on their ability to perform in their current capacity. This provides additional feedback to enhance program content.

#### **B. Accreditation Status**

The St. Mary's Medical Center School of Respiratory Care has applied for accreditation by the Committee on Accreditation for Respiratory Care (CoARC). The cost of the accreditation visit will be the responsibility of St. Mary's Medical Center.

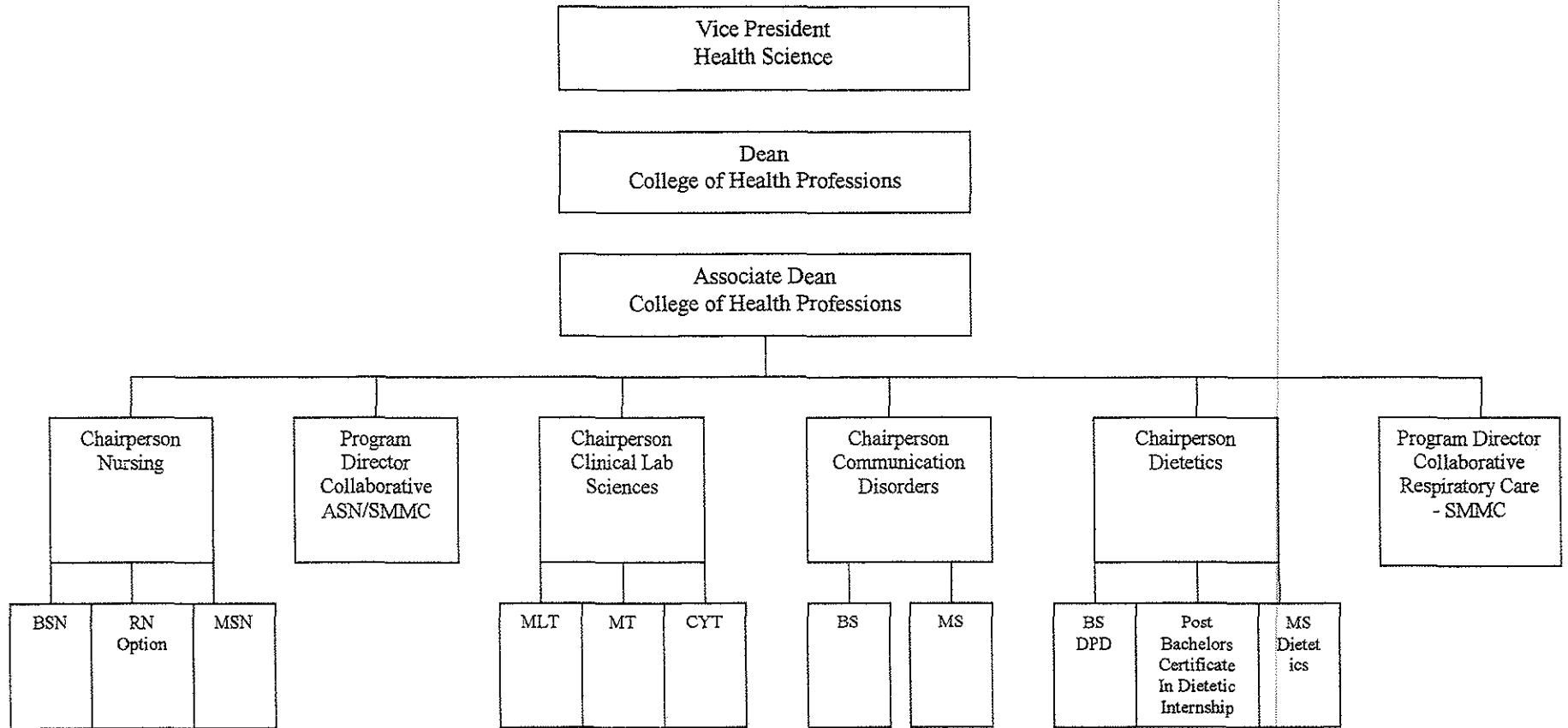
#### **Part VI: Termination of Program**

Not Applicable

**APPENDIX A**

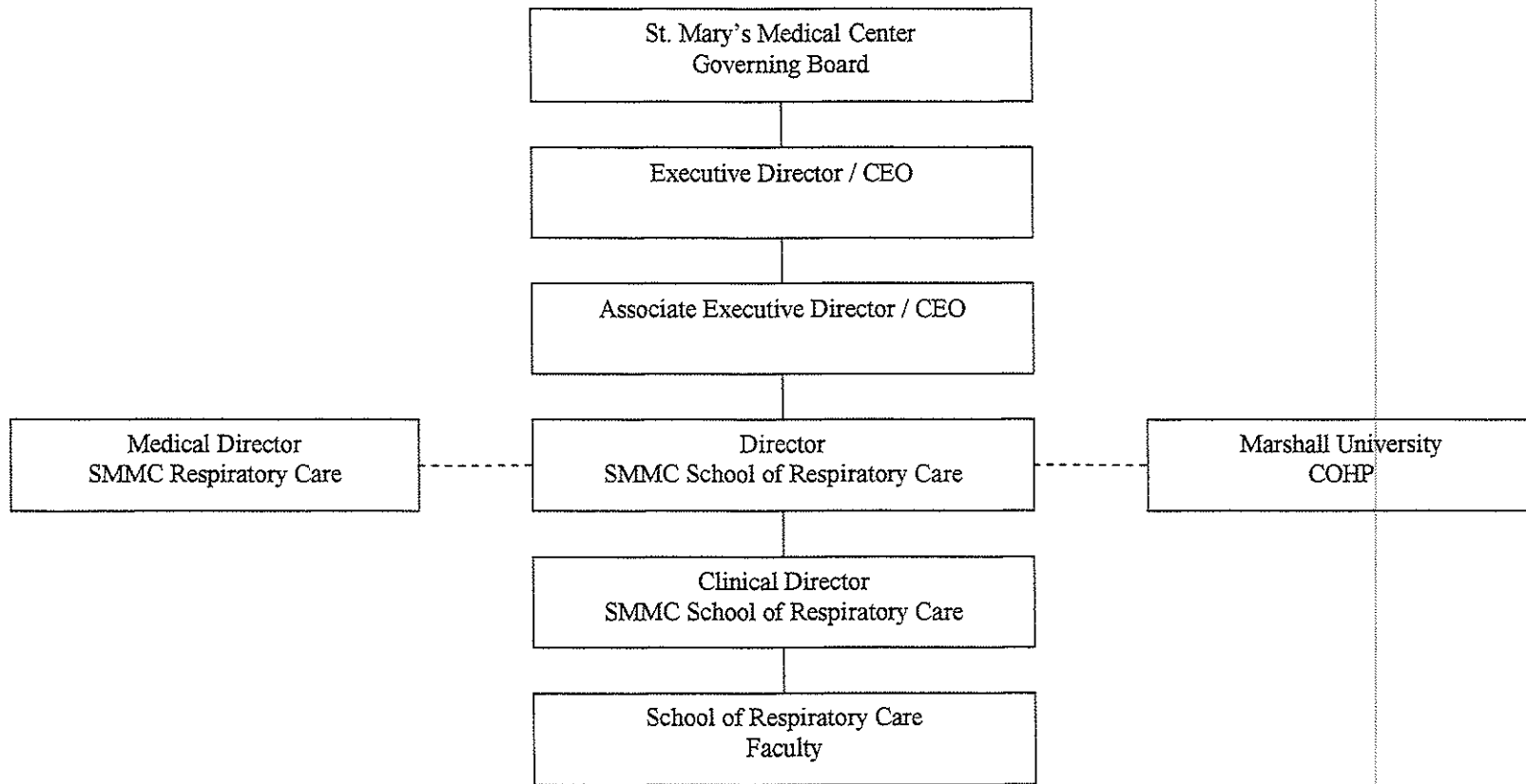
MARSHALL UNIVERSITY  
COLLEGE OF HEALTH PROFESSIONS

PROPOSED  
ORGANIZATIONAL CHART



ST. MARY'S MEDICAL CENTER  
SCHOOL OF RESPIRATORY CARE / MARSHALL UNIVERSITY COHP

PROPOSED  
ORGANIZATIONAL CHART



**APPENDIX B**

**Marshall University  
ST. MARY'S SCHOOL OF RESPIRATORY CARE  
CONSORTIUM AGREEMENT**

**THIS AGREEMENT** is made and entered into this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between **ST. MARY'S SCHOOL OF RESPIRATORY CARE**, hereinafter referred to as "St. Mary's School of Respiratory Care" and **Marshall University**, hereinafter referred to as "Marshall University", with St. Mary's School of Respiratory Care and Marshall University referred to sometimes individually as the "Party" and sometimes collectively as the "Parties".

**WHEREAS**, St. Mary's School of Respiratory Care operates a School of Respiratory Care, hereinafter 'SMMC School of Respiratory Care'; and

**WHEREAS**, Marshall University offers an accredited curriculum of core courses in general education and physical and behavioral sciences required for a Respiratory Care degree; and

**WHEREAS**, St. Mary's School of Respiratory Care and Marshall University have entered into successive affiliation agreements for the provision of core curricular courses in general education and physical and behavioral sciences required by SMMC School of Respiratory Care for its students pursuing a Respiratory Care degree; and

**WHEREAS**, St. Mary's School of Respiratory Care desires to expand its affiliation with Marshall University by establishing a joint Respiratory Care degree with Marshall University;

**WHEREAS**, St. Mary's School of Respiratory Care and Marshall University will appoint members to the programs Advisory Committee appointed to monitor the quality of the program, review student selection process, evaluate faculty credentials, monitor adequacy of facilities, review curriculum and recommend revisions to the program; and

**WHEREAS**, Marshall University desires to expand its affiliation with St. Mary's School of Respiratory Care by establishing a Respiratory Care Degree program with St. Mary's School of Respiratory Care providing students with one (1) exit point; and

**WHEREAS**, the affiliation of St. Mary's School of Respiratory Care and Marshall University for the purpose of establishing a joint Respiratory Care Degree program, hereinafter the "Program," will benefit the general public served by graduates of the Program; and

**WHEREAS**, the Parties desire to enter into this Agreement for the express purpose of setting forth clearly and accurately a complete and detailed statement of their respective covenants, agreements and understandings;

**NOW, THEREFORE, WITNESSETH**, that, for and in consideration of the premises, which are not mere recitals, but are consideration for this Agreement, and of the covenants, agreements and understandings hereinafter contained, the sufficiency of all of which is acknowledged by the Parties, it is understood and agreed by and between the Parties as follows:

**I. TERMS OF AGREEMENT**

- A.** The consortium shall be a single entity composed of Marshall University and St. Mary's School of Respiratory Care. The consortium through collaboration will sponsor a single program in Respiratory Care education with one exit point.
- B.** The term of this Agreement shall be for a period of one (1) year commencing school year fall semester 2005 - May 2006 hereinafter the "Initial Term."

- C. This Agreement shall be automatically renewed following the Initial Term for successive and (1) year terms, unless either Party gives to the remaining party written notice of its desire to terminate the same not less than six (6) months prior to:
1. The expiration of the Initial Term, or
  2. The expiration of any subsequent renewal.
  3. It is the express understanding of the Parties that the notice required by Paragraph of I (B) is intended to allow adequate time for the respective Parties to modify the Program for the benefit and protection of the enrolled students in the Respiratory Care program who have already been accepted into the professional component of the program.
  4. Upon completion of the professional component of the program by the enrolled students, this **AGREEMENT** shall be terminated in all respects for the institution who wishes to terminate.
  5. After such notice is given, no new students will be accepted into the portion of the program operated by the terminating party.

## II. **CONTINGENCIES**

The Parties understand that the commencement of this Agreement is contingent upon the approval of the Program by the Committee on Accreditation of Respiratory Care and the West Virginia Council of Higher Education.

## III. **OWNERSHIP AND CONTROL OF THE SCHOOL OF RESPIRATORY CARE**

It is the express understanding and intent of the Parties that this Agreement is purely an agreement of affiliation. Nothing in this Agreement is intended to remove the financial or managerial responsibility and control of the programs from their respective institutions or ownership of the SMMC School of Respiratory from St. Mary's School of Respiratory Care. **Nothing in this Agreement shall create an employer / employee or independent contractor / agency relationship between the parties.**

## IV. **FACULTY AND STAFF**

### **St. Mary's School of Respiratory Care**

- A. The faculty and staff of the program shall be:
1. Employees of St. Mary's School of Respiratory Care
  2. St. Mary's School of Respiratory Care shall employ a Program Director, Director of Clinical Education, Medical Director, and any other faculty or staff adequate to implement and maintain the accredited program.
  3. Entitled to all benefits available to employees of St. Mary's School of Respiratory Care
  4. Governed by personnel policies established by St. Mary's School of Respiratory Care
  5. Report to the Program Director of the SMMC School of Respiratory Care on issues regarding administrative matters.
  6. Cooperate in maintaining accreditation with the Committee on Accreditation for Respiratory Care.

7. Responsible for the preparation of materials, self study documents and follow up reports as necessary to maintain accreditation with the Committee on Accreditation for Respiratory Care.
8. Cooperate in providing educational and student services to students enrolled in the professional component of the program.
9. Accept into the professional component of the program an appropriate amount of students to ensure the appropriate student to faculty ratio.

### **Marshall University**

1. Assist in determining the goals and standards of the program.
  2. Appoint representatives from Marshall University to the advisory committee for the program.
  3. Provide general education faculty sufficient to teach all required general courses.
  4. Ensure students enrolled in the program have access to the library, computer facilities and other educational resources.
  5. Participate in the advisement of students and interested applicants. Recommend students for the professional component of the program who meet or exceed the criteria established for admission to the program.
  6. Award a Bachelor of Science in Respiratory Care upon documentation of all completed coursework
  7. Cooperate in continuous assessment and quality improvement processes.
- B. The Director of the SMMC School of Respiratory Care shall report to the Vice President, Patient Services of St. Mary's Medical Center who shall in turn report to the President/CEO of St. Mary's Medical Center. The Program Director of the SMMC School of Respiratory shall report to the Dean, College of Health Professions MU in matters of curriculum, student records and faculty credentials.
- C. Faculty of the program shall have clinical unsalaried, non-tenured appointments with Marshall University.
- D. Faculty rank at Marshall University shall be determined according to the Higher Education Policy Commission and Marshall University policies and procedures.
- E. Nothing in this Agreement IV shall be interpreted to imply that Marshall University is responsible for salaries or other compensation for faculty, nor to diminish St. Mary's School of Respiratory Care responsibility of control over Program faculty.

### **V. CURRICULAR AND ACADEMIC POLICIES**

- A. Program faculty shall determine all matters related to the curricular academic policies of the Program subject to the review and approval of the Dean, College of Health Professions.
- B. All curricular and academic policies shall be consistent with Marshall University's academic policies and procedures and shall be subject to review by the Marshall University
- C. In the event that the Marshall University, reviews an academic policy or procedure and determines that it does not conform with Marshall University's academic policies and procedures, or

otherwise requires revision, correction or retraction, then the Marshall University Executive Committees shall return the policy to the Program faculty with directions for corrective action.

**VI. SUPPORT SERVICES AND FACILITIES**

- A. St. Mary's School of Respiratory Care shall be responsible for providing and maintaining necessary facilities, resources and support for all curriculum activities.
- B. Marshall University shall be responsible for providing and maintaining necessary facilities, resources and support for all non respiratory core curriculum activities.

**VII. ADMISSION PROCESS**

- A. Students enrolled in the Program must meet the admission requirements of both Marshall University and the SMMC School of Respiratory Care.
- B. The admission requirements of the SMMC School of Respiratory Care shall meet all requirements for accreditation by CoARC and shall be developed by the Admission and Progression Committee of the Program and approved by the programs Advisory Committee.
- C. The Admission and Progression Committee in conjunction with the Program Director, Medical Director, and program Advisory Committee shall be responsible for making all decisions regarding individual student admission and promotion in the program.
- D. SMMC School of Respiratory Care will develop and implement all policies and procedures for student participation in the School of Respiratory Care.
- E. The status of students in the Program as full-time or part-time students shall be governed by the policies of Marshall University.

**VIII. TUITION AND COSTS**

- A. St. Mary's School of Respiratory Care shall be responsible for billing students and collecting monies from students for tuition for all respiratory curriculum courses in the program, as well as fees related to participation in the Programs, including but not limited to those fees identified at Paragraph X (B).
- B. Marshall University shall waive tuition fees for all respiratory courses which are taught by St. Mary's School of Respiratory Care faculty.
- C. St. Mary's School of Respiratory Care shall pay as indirect cost fee for all respiratory courses as identified at Paragraph X (B).
- D. Marshall University shall be responsible for billing individual St. Mary's School of Respiratory Care School students the standard cost of MU non-respiratory courses and collecting monies from students for tuition and all student fees for enrollment in non-respiratory courses.
- E. Students in the Program shall be entitled to those benefits available to Marshall University students.
- F. Students in the Program shall be subject to all Marshall University policies regarding student financial aid.

**IX. CURRICULUM**

A. Marshall University shall list in its catalogue all courses, both respiratory curriculum and core curriculum, available to students in the Program.

**X. REGISTRATION**

A. Students shall register at Marshall University for any and all classes provided through the Program in accordance with the registration policies and procedures at Marshall University.

B. Marshall University shall bill St. Mary’s School of Respiratory Care a maximum fee of \$140.00 per student/per semester for costs incidental to providing registration and recordkeeping services. The Parties understand that the terms governing the payment of these fees shall be negotiated annually.

**XI. RISK OF LOSS**

Each Party shall bear the risk of loss or damage to their respective equipment and property which may occur during the Initial Term and any subsequent renewals. Each party shall be responsible for the action of themselves, their employees, agents, and independent contractors, or other representatives, and shall fully indemnify and hold harmless the other party from any and all liabilities, damages, and/or injuries caused by said employees, agents, independent contractors, or other representatives.

**XII. ASSIGNMENT**

The Parties agree that neither Party may assign any of its rights or obligation under this Agreement without the written consent of the other Party.

**XIII. BINDING AGREEMENT**

This agreement shall be for the benefit of and binding upon the Parties and their respective successors and any entity claiming under or through the respective Parties. The Parties agree to execute any instruments in writing which may be necessary or proper in the carrying out of the purposes and intent of this Agreement.

**XIV. NOTICES**

All notices which are required or permitted under this Agreement shall be sufficient if given in writing and delivered personally or by registered or certified United States mail, postage prepaid, and addressed as follows:

(A) To St. Mary’s School of Respiratory Care:

ST. MARY’S SCHOOL OF RESPIRATORY CARE  
2900 First Avenue  
Huntington, West Virginia 25702  
Attn: Program Director, School of Respiratory Care

(B) To Marshall University:

Marshall University  
Attn: Dean, College of Health Professions  
One John Marshall Drive  
Huntington, West Virginia 25755



**XV. HEADINGS**

The Article and other headings contained in this Agreement are for reference purposes only and shall not in any way affect the meaning or interpretation of this Agreement.

**XVI. CONTROLLING LAW**

The interpretation, construction, and performance of this Agreement shall be governed by the laws of the State of West Virginia.

**XVII. WAIVER**

No waiver of any default under this Agreement shall be implied from any omission to take any action on account of such default in the event such default persists or is repeated. One or more waiver shall not be construed as a waiver of a subsequent breach of the same or any other covenant, term, or condition.

**XVIII. ENTIRE AGREEMENT**

This agreement constitutes the entire agreement between the Parties. No representatives, warranties, promises, or agreements pertaining to this Agreement have been made by or shall be binding on either Party, except as expressly set forth in this Agreement.

**XIX. MODIFICATION**

This Agreement may not be modified or changed orally, but only by an agreement in writing signed by both Parties.

**XX. COUNTERPARTS**

This Agreement may be executed by any number of counterparts and all said counterparts together constitute one and the same agreement.

WHEREFORE, the corporate Parties have authorized and executed this Agreement and attached their corporate seals on the date first above written.

**XXI. COMPLIANCE WITH LAWS AND REGULATIONS**

The St. Mary's School of Respiratory Care Standards of Behavior and Standards of Conduct will be provided for Marshall University by the Facility. Access to St. Mary's School of Respiratory Care Policies and Procedures is available via the Medical Center Intranet and access may be granted under the supervision of the Program Director, St. Mary's Medical Center School of Respiratory Care.

**ST. MARY'S SCHOOL OF RESPIRATORY CARE**

By: \_\_\_\_\_  
Its: **Dr. Peter Ottaviano, D.O.**  
**Medical Director**  
**School of Respiratory Care**

By: \_\_\_\_\_  
Its: **Ruth Johnson, R.N., MBA**  
**Vice President – Patient Services**

**MARSHALL UNIVERSITY**

By: \_\_\_\_\_  
Its: **Layton Cottrill**  
**General Council**

By: \_\_\_\_\_  
Its: **Dr. Lynne Welch, EdD**  
**Dean, College of Health Professions**

## APPENDIX C

## BS Respiratory Care

YEAR ONE			
FALL		SPRING	
Course	CR Hours	Course	CR Hours
UNI 101	1	ENG 102	3
ENG 101	3	SOC 200 (M)	3
CHM 203	3	BSC 228	4
MTH 121	3	PSY 201	3
BSC 227	4	RSP 100	3
ELECTIVE	3		
TOTAL	17	TOTAL	16
<b>SUMMER</b>			
RSP 101	2		
RSP 102	3		
RSP 102L	1		
TOTAL	6		
<b>YEAR TWO</b>			
FALL		SPRING	
BSC 250	4	RSP 204	1
RSP 201	3	RSP 205	3
RSP 202	3	RSP 206	3
RSP 203	4	RSP 207	3
		RSP 208	1
		RSP 209	3
TOTAL	14	TOTAL	14
<b>SUMMER</b>			
RSP 210	3		
RSP 211	2		
TOTAL	5		

<b>YEAR THREE</b>			
<b>FALL</b>		<b>SPRING</b>	
STATISTICS	3	RSP 305	3
RSP 301	3	RSP 306	3
RSP 302	2	RSP 307	4
ETHICS	3	RSP 401	4
RSP 303	3	RSP 402	3
RSP 304	2		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>17</b>
<b>SUMMER</b>			
RSP 403	3		
RSP 404	3		
<b>TOTAL</b>	<b>6</b>		
<b>YEAR FOUR</b>			
<b>FALL</b>			
RSP 405	3		
RSP 406	3		
RSP 420	5		
INT.	3		
INT.	3		
<b>TOTAL</b>	<b>17</b>		

## BS Respiratory Care (Bridge Program)

<b>YEAR ONE</b>			
<b>FALL</b>		<b>SPRING</b>	
Course	CR Hours	Course	CR Hours
<b>SUMMER</b>			
<b>YEAR TWO</b>			
<b>FALL</b>		<b>SPRING</b>	
RSP 200B	5	RSP 204	1
		RSP 205	3
		RSP 206	3
		RSP 207	3
		RSP 208	1
		RSP 209	3
<b>TOTAL</b>	<b>5</b>	<b>TOTAL</b>	<b>14</b>
<b>SUMMER</b>			
RSP 210	3		
RSP 211	2		
<b>TOTAL</b>	<b>5</b>		

<b>YEAR THREE</b>			
<b>FALL</b>		<b>SPRING</b>	
STATISTICS	3	RSP 305	3
RSP 301	3	RSP 306	3
RSP 302	2	RSP 307	4
ETHICS	3	RSP 401	4
RSP 303	3	RSP 402	3
RSP 304	2		
<b>TOTAL</b>	<b>16</b>	<b>TOTAL</b>	<b>17</b>
<b>SUMMER</b>			
RSP 403	3		
RSP 404	3		
<b>TOTAL</b>	<b>6</b>		
<b>YEAR FOUR</b>			
<b>FALL</b>			
RSP 405	3		
RSP 406	3		
RSP 420	5		
INT.	3		
INT.	3		
<b>TOTAL</b>	<b>17</b>		

**RSP 100 – Respiratory Pharmacology (3 Hrs)**

Introduces the student to basic pharmacology of medications used in respiratory care and physiological implications on the human body.

**RSP 101 – Introduction to Respiratory Care (2 Hrs)**

Introduces the student to the History of Respiratory Care and Professional Organization. Emphasis is on exploring the role of the respiratory therapist or technician as a member of the health care team. Ethical and medicolegal dimensions of health care are presented. Basic techniques of patient evaluation are covered. Included are: Chest physical examination, measurement of the vital signs, patient interview and history, evaluation of the chest x-ray, and spirometry. PR: BSC 228

**RSP 102 – Introduction to Respiratory Care Procedures (3 Hrs)**

The administration of medical gases, humidity and aerosol therapy is covered. Emphasis is placed on the safe handling of medical gases and safety in administration. Principles and techniques of therapeutic procedures used in basic respiratory care are covered. Also included are: Techniques of chest inflation therapy, chest physical therapy, breathing exercises, bronchial hygiene. The physiologic effects, indications, and contraindications of each therapy are stressed. Detailed study of isolation, equipment and supplies used in these therapies is included. CR: 102L

**RSP 102L - Respiratory Care Procedures Lab (1 Hr)**

This 1 hour laboratory class will give the student the opportunity to practice techniques and use of technology covered in Respiratory Care Procedures and Introduction to Respiratory Care. Lab exercises will be given for the student to complete. CR: RSP 102

**RSP 200B – Concepts of Professional Respiratory Care (5 Hrs)**

This course is designed for the board certified and state licensed CRT to enter into the advanced respiratory practitioner program. Emphasis is on concepts and principles essential for professional practice as an RRT. Included are the review of current applications of respiratory care as well as didactic instruction and clinical rotations. PR: CRT and admission to program

**RSP 201 – Pulmonary Pathophysiology (3 Hrs)**

The most frequently encountered diseases and syndromes are presented in detail. Emphasis is placed on the etiology, signs and symptoms, pathology, clinical manifestations, sequellae, and treatment. The respiratory therapist's role in the recognition and treatment of pulmonary diseases is given special emphasis. PR: RSP 102; CR BSC 250

**RSP 202 – Mechanical Ventilation Technology & Management (3 Hrs)**

An introduction to the fundamentals of mechanical ventilation techniques and terminology is presented. Various classes of mechanical ventilators are discussed and compared, emphasizing the differences required in their uses. The technology of adult continuous mechanical ventilation is covered. The design, function, and operation of representative mechanical ventilators of the various classifications are examined in detail. Management of continuous adult mechanical ventilation is covered with emphasis on the physiologic effects of various techniques and selection of optimal methods. Monitoring, quality control, and the ability to solve clinical problems relating to mechanical ventilation are emphasized. Lab included. CR: RSP 201

**RSP 203 – Respiratory Internship 1 (4 Hrs)**

Practice in gathering information from the patient record, patient evaluation, oxygen administration, and record keeping is provided. Techniques of cardiopulmonary resuscitation are covered with laboratory practice and evaluation. CR: RSP 202

**RSP 204 – Pulmonary Rehabilitation/Home Care (1 Hr)**

This course will cover care of the patient with long term pulmonary disability. Psychosocial and physical needs of the patient are addressed with emphasis on motivating and conditioning the patient with the goal of improving both quality of life and cardiopulmonary reserve. Special requirements for the patient in the home who requires respiratory care are covered. PR: RSP 203

**RSP 205 – Cardiopulmonary Diagnostics (3 Hrs)**

This course will cover advanced techniques of pulmonary function testing. Topics include lung volume determination, tests of small airways, diffusion, and distribution of ventilation. Invasive and non-invasive methods of arterial blood gas sampling, analysis, and interpretation are also covered. The technology and methodology of invasive and non-invasive cardiovascular testing including electrocardiography and hemodynamic monitoring are presented. Fundamental interpretation of these tests is covered. PR: RSP 203

**RSP 206 – Neonatal/Pediatric Respiratory Care (3 Hrs)**

This course is designed to provide the student with detailed knowledge to the needs of neonatal and pediatric patients. Fetal cardiopulmonary development and changes at birth are covered. Equipment, procedures and methods used in the care and evaluation of neonatal and pediatric patients are also covered (Neonatal Vents). Also included are cardiopulmonary conditions and diseases particular to neonate and pediatric patients. CR: RSP 205

**RSP 207 Introduction to Critical Care Management (3 Hrs)**

This introductory course is designed to provide the student with detailed knowledge to the principles and techniques of therapeutic procedures used in Respiratory Care as covered: Airway management, transtracheal oxygen therapy and aspiration, bronchoscopy, thoracentesis and pleural chest tubes, arterial lines, ABG interpretation and analysis, transports, and electrocardiogram interpretation. CR: RSP 205

**RSP 208 – Seminar in Respiratory Care (1 Hr)**

This course introduces the student to NBRC exam taking skills, mock examinations of the NBRC matrix, and self-evaluation studies. Study methods and application are also covered. A study of realistic clinical problems and situations, with emphasis on analyzing and evaluating these problems to formulate acceptable respiratory care modalities. CR: RSP 207

**RSP 209 – Respiratory Internship II (3 Hrs)**

Emphasis is on the supervised practice of basic respiratory care techniques covered in Introduction to Respiratory Care Procedures and in Introduction to Respiratory Care. Opportunity for respiratory care techniques such as oxygen therapy, humidity and aerosol therapy, aerosol drug therapy, lung inflation therapy is provided. Also, observation and supervised practice in the techniques used in electrocardiography. CR: RSP 204, 205, 206, 207

**RSP 210 – Respiratory Internship III (3 Hrs)**

Opportunities for observation and strictly supervised practice in the techniques of arterial blood gas sampling and analysis, arterial line management and chest tube management. are provided. Also, included is critical care observation, supervised practice of techniques used in electrocardiography and observation of hemodynamic measurement and monitoring. Neonatal/Pediatric assessment and care will be provided in addition to mechanical ventilation, airway management, critical care respiratory therapy, pulmonary function testing and sleep studies. Emphasis will be placed in pulmonary rehab/home care and neonatal/pediatric respiratory care. PR: RSP 209

**RSP 211 – Cardiopulmonary/Renal Anatomy & Physiology (2 Hrs)**

Emphasis is placed on the interaction of systems in gas exchange renal and acid base balance. The structure and function of the chest cage, mechanics of breathing, and control of respiration are also included. CR: 210

**RSP 301 – Introduction to Management (3 Hrs)**

Introduction to basic principles of management and their application in the current healthcare environment. Course content includes: management theory, scope of management, quality issues, budgeting, personnel issues, and evaluation and application of management concepts. PR: Junior Level

**RSP 302 – Respiratory Internship IV (2 Hrs)**

This course affords the respiratory care student with the opportunity to practice advanced evaluative and procedural skills in the intensive care setting. Emphasis is placed on cardiopulmonary assessment and treatment of trauma, post-surgical, cardiac and renal patients, quantitative assessment techniques, refinement of monitoring procedures, and interpretation of data. PR: Junior Level

**RSP 303 - Respiratory Education (3 Hrs)**

This course is designed as an introduction to patient, family and clinical teaching in a respiratory care program. The course includes self-directed study in instructional and evaluation strategies and development of performance objectives. PR: Junior Level

**RSP 304 – Advanced Neonatal & Pediatrics (2 Hrs)**

Provides an in-depth study of neonatal/pediatric anatomy, physiology, growth and development; physical, radiological, laboratory, and risk assessment; general principles of management of the sick neonate and child; and special considerations in neonatal/pediatric pharmacology as each applies to respiratory care of the neonatal/pediatric patient. An in-depth study of neonatal/pediatric pathophysiology including parenchymal disease, obstructive airway disease, lesions of the lungs and airways, congenital abnormalities, respiratory distress syndrome, apnea disorders, neurological disorders, and trauma as each applies to respiratory care of the neonatal/pediatric patient will also be covered in detail PR: RSP 206, Junior Level

**RSP 305 - Respiratory Cost Management & Solutions (3 Hrs)**

Introduces management decision making and providing costs solutions for a respiratory department. Topics covered will be annual budgets, purchasing decisions, effective staffing, inventory and supply controls as well as searching for other methods to contain costs in the healthcare environment. PR: Junior Level

**RSP 306 – Respiratory Care Performance Improvement (3 Hrs)**

Provides basic principles associated with Total Quality Management (TQM) and Continuous Quality Improvement (CQI). Aids identification and quality problem-solving found in all healthcare organizations utilizing continuous quality improvement (CQI) tools and techniques. CR: RSP 305

**RSP 307 Advanced Techniques in Adult Critical Care (4 Hrs)**

Introduces the student to current respiratory care procedures for the critically ill adult patient along with an exploration into newer and experimental techniques. Topics include independent lung ventilation, ECMO, high frequency ventilation, inverse ratio, and disease specific ventilatory support. PR: RSP 207, Junior Level

**RSP 401 Introduction to Sleep Disorders (4 Hrs)**

Designed to teach the student the process of procuring an effective sleep history and physical examination relevant to a sleep disorders patient, identify the more common relevant sleep disorders, have a general understanding of how a polysomnogram is performed, know the major categories of sleep disorders, and have a good sense of the presenting symptoms of sleep apnea, narcolepsy, psychophysiological insomnia, and sleep disturbance due to depression. PR: RSP 307

Prerequisites:



**RSP 402 – Issues in Respiratory Management (3 Hrs)**

Designed to examine the healthcare delivery system in the United States and the Appalachian region. The course examines the entire health care delivery system in general. This course will assist in the development of recommendations for future developments. This course will address the key issues confronting healthcare today, examine the causes, and develop reasonable solutions to the current set of problems. PR: RSP 304

**RSP 403 –Respiratory Care Research (3 Hrs)**

Designed to provide the student knowledge about survey of research problems, methods, and designs utilized in respiratory care, with emphasis on data presentation and analysis. PR: Statistics

**RSP 404 –Advanced Respiratory Care Practicum (3 Hrs)**

Advanced respiratory techniques and management for clients across the life-span.

**RSP 405 –Flight / Hyperbaric (3 Hrs)**

Advanced respiratory techniques related to physiologic stressors impacting patient care due to atmospheric impact and pressure gradients and unique hazards in these environments to patients and staff.

**RSP 406 – Community Respiratory Care (3 Hrs)**

This course is designed to provide the therapist with the opportunity to provide care in an variety of community settings including clinics, schools and other settings utilizing principles of public health, client and family teaching and evidence-based practice.

**RSP 420 – Capstone in Respiratory Care (5 Hrs)**

Role synthesis practicum incorporating provider of care, coordinator of care, member of profession and leadership roles. CR: RSP 405

**RSP 480-483 – Special Topics (1-4; 1-4; 1-4 Hrs)**

Study of topics not available in other courses

**RSP 485-488 – Independent Study (1-4; 1-4; 1-4 Hrs)****RSP 495H-496H – Reading for Honors in Respiratory Care (2-4:2-4 Hrs)**

Open only to Respiratory Care majors of outstanding ability. By permission only.