

MEMORANDUM

TO: James W. Holsinger, M.S., Ph.D., Chair
Medical Center Academic Council
Deans, Department Chairs, and Members of the Senate

FROM: Sharon R. Stewart, Ed.D.
Acting Associate Dean, College of Health Sciences

TOPIC: Application for Change in Existing Courses and Change in Program for the
Rehabilitation Sciences Doctoral Program

DATE: January 21, 2003

The College of Health Sciences recommends for your approval the following change in an existing courses and change in program for the Rehabilitation Sciences Doctoral Program:

RHB 770: Professional Seminar in Rehabilitation Sciences

Proposed Changes: Change from 1 credit to variable credit (1-3) and change in course description

Present Description: A study of selected topics in the Rehabilitation Sciences with emphasis on recent research and theory in the disciplines of communication disorders, occupational therapy, and physical therapy. Includes topics in health systems delivery, interdisciplinary issues, and research methodologies. May be repeated to a maximum of six credits.

New Description: A study of selected topics related to leadership issues in the Rehabilitation Sciences with emphasis on recent research and theory related to higher education and to the communication disorders, occupational therapy, and physical therapy disciplines. Sample topics include research methods and current topics, interdisciplinary issues, health systems, grant writing, teaching and learning in higher education, and the culture of colleges and universities. May be repeated to a maximum of six credits.

Rationale: The change to variable credit will allow greater flexibility in the course. We have found that certain topics warrant more than 1 hour of credit. The new description is proposed to allow opportunities for study related to assuming leadership roles in higher education as well as discipline-specific and interdisciplinary topics of interest.

RHB 789: Research Apprenticeship

Proposed Change: Change from 1-4 credits to 1-7 credits.

Rationale: The change allows for greater flexibility and variety in student research apprenticeship experiences depending upon the students' schedules and available opportunities.

Change in Doctoral Degree Program

Proposed Change: Change in requirement for Research Apprenticeship as follows:

Present Description (p. 114, Grad Bulletin): A research apprenticeship is required for students without prior research experience but may be taken by all students.

RHB 789 (1-4)

New Description: A research apprenticeship is required for all students. The Research Apprenticeship course is variable credit and must be repeated at least 3 times for a minimum of 9 credit hours.

RHB 789 (1-7)

Rationale: At present, students are required to complete one, 4-credit hour Research Apprenticeship. This Apprenticeship is optional for those who have participated in research in the past. The keystone of doctoral education is the research process. The faculty believes that a more comprehensive research experience must be required if students are to achieve the necessary competencies in the research process. Having at least three Research Apprenticeship experiences will provide a broad base of experience, expose students to different ideas, methods, and protocols, and will help them develop an area of interest based on experience. Multiple Apprenticeships will foster interdisciplinary relations and knowledge required of an interdisciplinary program.

This change in program might add up to five credits to a student's course of study. We do not believe this change is significant since the students must achieve a base level of research knowledge and skills to pass qualifying examinations and complete the dissertation, no matter how many Research Apprenticeship experiences they have. Requiring 3 Research apprenticeships for a total of 9 credits clearly identifies the required competencies and course of study.

Contact person: Susan K. Effgen, Ph.D.
Ph.: 323-1100, ext 80579

University of Kentucky
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by Health Sciences Date 10/21/02
 College of _____
- Department/Division offering course Rehabilitation Sciences Doctoral Program; Dept. of Rehabilitation Sciences
2. Changes proposed:
- (a) Present prefix & number RHB 770 Proposed prefix & number same
- (b) Present Title Professional Seminar in Rehabilitation Sciences
 New Title same
- (c) If course title is changed and exceeds 24 characters (Including spaces), include a sensible title (not to exceed 24 characters) for use on transcripts:
Prof Sem in RHB Sci
- (d) Present credits: 01 Proposed credits: 01-03
- (e) Current lecture: 1:0 Proposed: 1:0 – 3:0
 laboratory ratio
- (f) Effective Date of Change: Summer 2003
 (Semester & Year)
3. To be Cross-listed as: NA Signature: Department Chair
 Prefix and Number
4. Proposed change in Bulletin description:
- (a) **Present description** (including prerequisite(s):
A study of selected topics in the Rehabilitation Sciences with emphasis on recent research and theory in the disciplines of communication disorders, occupational therapy, and physical therapy. Includes topics in health systems delivery, interdisciplinary issues, and research methodologies. May be repeated to a maximum of six credits.
- (b) **New description:** A study of selected topics related to leadership issues in the Rehabilitation Sciences with emphasis on recent research and theory related to higher education and to the communication disorders, occupational therapy, and physical therapy disciplines. Sample topics include research methods and current topics, interdisciplinary issues, health systems, grant writing, teaching and learning in higher education, and the culture of colleges and universities. May be repeated to a maximum of six credits.
- (c) Prerequisite(s) for course as changed: Admission to the Rehabilitation Sciences Ph.D. program or consent of the instructor.

5. What has prompted this proposal? The change to variable credit will allow greater flexibility in the course. We have found that certain topics warrant more than 1 hour of credit. The new description is proposed to allow opportunities for study related to assuming leadership roles in higher education as well as discipline-specific and interdisciplinary topics of interest.

6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
The content and teaching objectives have not changed significantly. However, the proposed description captures the intent of the course more completely by naming some of the topics that might be addressed in the ongoing forum for discussion and presentation of important issues in the rehabilitation sciences.

7. What other departments could be affected by the proposed change? none

8. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky? Yes No

9. Will changing this course change the degree requirements in one or more programs? Yes No
If yes, please attach an explanation of the change.*

10. Is this course currently included in the University Studies Program? Yes No
If yes, please attach correspondence indicating concurrence of the University Studies Committee.

11. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted. NA

12. Is this a minor change? Yes No
(NOTE: See the description on this form of what constitutes a minor change. Minor changes are sent directly from the Dean of the College to the Chair of the Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)

13. Within the Department, who should be consulted for further information on the proposed course change?
Name: Susan Effgen, RHB Program Director Phone Extension: 323-1100 x80579

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.

RHB 770: Professional Seminar in Rehabilitation Sciences
Purpose and Course Objectives

Purpose

The purpose of this course is to provide an on-going forum for discussion and presentation of issues in the rehabilitation sciences. Students and faculty will engage in discussion and presentation of information dealing with a series of rotating topics. Course organization will include faculty and student presented lectures, assigned readings, group discussions, and problem-based learning activities.

Course Objectives

The student will:

- Identify social and historical foundations of rehabilitation
- Understand legal, legislative, and societal issues that impact the rehabilitation sciences
- Investigate the state of higher education in the rehabilitation sciences
- Discuss teaching and learning issues related to the rehabilitation sciences in higher education
- Describe strategies for flourishing as rehabilitation sciences faculty members in higher education
- Discuss effective strategies for obtaining external funding
- Understand how to be successful in scholarly productivity/ research in higher education
- Understand current billing practices and other clinical management issues
- Recognize methodological issues for research with special populations
- Identify current trends in research in communication disorders, occupational therapy, and physical therapy
- Recognize the wide range of research designs used in the rehabilitation sciences and evaluate their effectiveness in the current research base
- Summarize findings from previously published research
- Develop, present, and discuss novel research ideas

UNIVERSITY OF KENTUCKY
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR

1. Submitted by College of Health Sciences Date 11/20/2002
Department/Division offering course Rehabilitation Sciences Doctoral Program
2. Changes proposed:
(a) Present prefix & number RHB 789 Proposed prefix & number same
(b) Present Title Research Apprenticeship in Rehabilitation Sciences
New Title Same
(c) If course title is changed and exceeds 24 characters (Including spaces), include a sensible title (not to exceed 24 characters) for use on transcripts:
Research Apprenticeship
(d) Present credits: 1-4 Proposed credits: 1-7
(e) Current lecture: laboratory ratio _____ Proposed: _____
(f) Effective Date of Change: (Semester & Year) Spring 2003
3. To be Cross-listed as: N/A _____
Prefix and Number Signature: Department Chair
4. Proposed change in Bulletin description:
(a) Present description (including prerequisite(s)):
See Attached

(b) New description:
See Attached

(c) Prerequisite(s) for course as changed: No change: Admission to RSDP or consent of instr
5. What has prompted this proposal?
Ph.D. students must become competent researchers. A 1-4 credit hr ap-
prenticeship requirement fails to accomplish program research objectives
6. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:
We are providing greater flexibility in the research experiences by
expanding possible credit hours. (We are also increasing the number and
variety of research apprenticeship experiences [see program change form]
7. What other departments could be affected by the proposed change?
None
8. Is this course applicable to the requirements for at least one degree or certificate at the University of Kentucky? Yes No
9. Will changing this course change the degree requirements in one or more programs? Yes No
If yes, please attach an explanation of the change.*
10. Is this course currently included in the University Studies Program? Yes No
If yes, please attach correspondence indicating concurrence of the University Studies Committee.
11. If the course is a 100-200 level course, please submit evidence (e.g., correspondence) that the Community College System has been consulted.

*NOTE: Approval of this change will constitute approval of the program change unless other program modifications are proposed.

**UNIVERSITY OF KENTUCKY
APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR & MINOR**

12. Is this a minor change? Yes No
 (NOTE: See the description on this form of what constitutes a minor change. Minor changes are sent directly from the Dean of the College to the Chair of the Senate Council. If the latter deems the change not to be minor, it will be sent to the appropriate Council for normal processing.)

13. Within the Department, who should be consulted for further information on the proposed course change?

Name: Susan Effgen, Ph.D, Director Phone Extension: 8-0579

Signatures of Approval:

Department Chair	Date
Dean of the College	Date
**Undergraduate Council	Date
**Graduate Council	Date
**Academic Council for the Medical Center	Date
**Senate Council	Date of Notice to University Senate

**If applicable, as provided by the Rules of the University Senate.

ACTION OTHER THAN APPROVAL

The Minor Change route for courses is provided as a mechanism to make changes in existing courses and is limited to one or more of the following:

- a. change in number within the same hundred series;
- b. editorial change in description which does not imply change in content or emphasis;
- c. editorial change in title which does not imply change in content or emphasis;
- d. change in prerequisite which does not imply change in content or emphasis;
- e. cross-listing of courses under conditions set forth in item 3.0;
- f. correction of typographical errors. [University Senate Rules, Section III - 3.1]

Rev 8/02

Print Form

Clear Form

APPENDIX
RHB 789 - Research Apprenticeship in Rehabilitation Sciences

Present Description:

In-depth study of a discipline specific topic under the direction of a member of the graduate faculty. Emphasis on scientific method including development of a research question, methodology, data collection and analysis. Students will complete a supervised research project during the course. Prereq: Admission to the Rehabilitation Sciences Ph.D. program in communication disorders, physical therapy or consent of instructor.

New Description:

The purpose of the research apprenticeship is to develop critical thinkers and critical consumers of the scientific literature and methodologies within the rehabilitation sciences. This experience will enable the student to acquire knowledge in rehabilitation and in basic science research. Prereq: Admission to the Rehabilitation Sciences Ph.D. program or consent of the instructor. Must be repeated a minimum of 3 times for a minimum total of 9 credits. May be repeated to a maximum of 18 credits.

Rehabilitation Sciences Doctoral Program

RHB 789 Research Apprenticeship in Rehabilitation Sciences

Purpose for Research Apprenticeship / Practicum

The purpose of these experiences is to develop critical thinkers and critical consumers of the scientific literature and methodologies within the rehabilitation sciences.

To achieve this goal, the student will actively participate in research experiences in which he/she will:

Objective 1: become familiar with a variety of research topics with the research faculty.

Outcome: **Increased awareness by the student of the various research faculty and resources available, which in turn, will assist student in identifying a research direction and committee members.**

Objective 2: use scientific literature to support knowledge in rehabilitation science.

Outcome: The student will develop a base of knowledge in the rehabilitation sciences.

Objective 3: develop an understanding of the application of various research designs and methodologies, instrumentation systems, laboratory equipment and software.

Outcome: This experience will enable the student to acquire knowledge of and/or hands-on experience for different evaluation tests/ measurement tools; data acquisition techniques / systems; data analysis; and intervention approaches used in rehabilitation and in basic science research.

Guidelines for the research apprenticeship / practica:

1. Students will complete a minimum of three research apprenticeships / practica for a minimum total of 9 credits
2. One apprenticeship / practicum will be completed with a student's committee co-chair
3. At least one apprenticeship / practicum will be completed outside of the student's discipline (e.g., PT, OT, CD) in a related area of interest. Examples of related areas may include:
 - a. a student in the Pediatrics Track may seek a practicum with a faculty member in the College of Education or with a Rehabilitation Sciences faculty member outside the discipline but with expertise in pediatrics
 - b. a student in the Aging and Adult Neurological Disorders Track may seek a practicum with a faculty member in Sanders-Brown Research Center on Aging and Gerontology
 - c. a student in the Movement Dysfunction Track may seek a practicum with a faculty member in Biomechanics, Kinesiology, or Athletic Training

The rationale for students completing multiple apprenticeships / practica and at least one outside of their discipline are as follows:

1. Multiple practica will provide students with a broad base of experience.
2. Students enter the program with widely divergent research experiences. Student's exposure and research have ranged from little to substantial. Multiple experiences will expose the students to new and different ideas and methods and will help them develop a line of research inquiry suitable to their needs and work setting.
3. Multiple practica will foster interdisciplinary relationships.
4. Multiple practica will provide excellent opportunities to develop relationships with other departments at the University.
5. Multiple practica will expose students to different faculty, who could potentially serve as committee members.

Guidelines for the research apprenticeships / practica are as follows:

1. A contract will be developed between the faculty member and student and will include the objectives of the apprenticeship, type of product resulting from the experience and criteria for grading. This contract will be shared with the student's Advisory Committee Chairs (or Advisor if an Advisory Committee has not yet been formed) and the Program's Director of Graduate Studies.
2. Grading for the research practicum will be satisfactory/unsatisfactory.
3. A Research Apprenticeship / Practicum Information Sheet will be completed by the faculty member documenting the experience. This will remain with the student's file.

Approved by Rehabilitation Sciences Faculty 1/24/02, edited 1/22/03

University of Kentucky

Rehabilitation Sciences Doctoral Program
RHB 789: Research Apprenticeship in the Rehabilitation Sciences
Approval Form

Student's Name: _____

Semester: _____ **Number Credits:** _____

Title of Experience: _____

Objectives of the Practicum, product resulting from the experience and criteria for grading.

This is to be developed by the faculty member and student (may attach).

Synopsis of Experience (to be completed by the faculty member at the end of the semester)

Faculty Supervisor Signature: _____ Date: _____

Student Signature: _____ Date: _____

Faculty Advisor Signature: _____ **Date:** _____

Director of Graduate Study Signature: _____ Date: _____

After approval, copies of the APPROVAL FORM and PROPOSAL are to be distributed to:

1. Student
2. Student's File – kept with the DGS
3. Faculty Supervisor
4. Faculty Advisor

Guidelines for the RHB 789 Research Apprenticeship credits:

The student may participate in several levels of research apprenticeship including:

- 1) Student may complete a literature review and paper or analysis of pre-existing data with a write up of the results. This project would be worth 1-2 credits depending upon the breath of the topic. The decision as to the breath of the topic and the number of credits will be determined by the research advisor for the apprenticeship.
- 2) The student may, over the course of the semester, participate in design of a research study and determination of reliability of the methods or collection of data and writing up a portion of the results of a paper. This project would be worth 3-4 credits depending upon the breath of the topic, and a minimum of 6-8 contact hours spent each week on the project. The research advisor for the apprenticeship will determine the number of credits.
- 3) The student may plan, implement and write up the results for a research project. This level of apprenticeship will be worth 5-7 credits depending upon the breath of the project, the amount of work required for its completion and a minimum of 10-14 contact hours spent each week on the project. The research advisor for the apprenticeship will determine the number of credits.

All final decisions regarding the number of credits for each apprenticeship will be decided by the student's Advisory Committee based on recommendations from the research advisor for that apprenticeship. The Director of Graduate Study must also approve of the project, the evaluation method and credits to be awarded. As noted under Guidelines for the Research Apprenticeship, students and faculty must complete and sign a written approval form before the start of the experience.

REQUEST FOR CHANGE IN DOCTORAL DEGREE PROGRAM

Program: Rehabilitation Sciences Doctoral Program
 Department/Division: Rehabilitation Sciences
 College: College of Health Sciences Bulletin pp pp. 114-15 (Graduate)
 Degree Title (Old): Rehabilitation Sciences Doctoral Degree Title (New) Same
 CIP Code: _____
 Accrediting Agency (if applicable): _____

I. PROPOSED CHANGE(S) IN PROGRAM REQUIREMENTS

	<u>Current</u>	<u>Proposed</u>
1. Number of transfer credits allowed		
2. Residence requirement (minimum of one year before and after Qualifying Exams)		
3. Language(s) and/or skill(s) required		
4. Provisions for monitoring progress and Termination criteria		
5. Total credit hours required (if applicable)		
6. Required courses (if applicable)	RHB 789.(1-4 credits) Optional if student has previous research experience	RHB 789.(1-7 credits) Repeat a minimum of 3 times for a minimum of 9 cr. hrs. total
7. Required distribution of courses within program (if applicable)		
8. Minor area or courses outside program required (if applicable)		
9. Distribution of courses levels required (400G-500/600-700)		
10. Qualifying examination requirements		

NOTE: To the extent that changes in 6 or 8 above involve additional courses to other programs, please include documentation from the program(s) pertaining to the availability of such courses.

11. Any other requirements not covered above

II. RATIONALE FOR CHANGE(S)

If the rationale involves accreditation requirements, please include specific references to those requirements.

At present, students are only required to complete one, 1-4 credit Research Apprenticeship. In our approved plan, this apprenticeship was optional for those who had participated in some level of research in the past. The keystone of doctoral education is the research process. The faculty believes that a more comprehensive research experience must be required of all students if they are going to achieve the necessary competencies in the research process. Having at least three Research Apprenticeship experiences will provide a broad base of experience, expose students to different ideas, methodologies, and protocols and will help them develop their area of interest based on real experience. Multiple practica will also foster interdisciplinary relations and knowledge required of an interdisciplinary program. Students will have the opportunity to learn from different faculty who could potentially serve on their committees.

This change in program might add up to 5 credits to a student's course of study. We do not believe this change is significant since the students will have to achieve a base level of research knowledge and skills to pass their qualifying examination and complete a dissertation no matter how many Research Apprenticeship experiences they have. By requiring a minimum of 3 Research Apprenticeships for a minimum of 9 credits, we are clearly identifying the required competencies and course of study so that students have a better chance of success.

Signatures of Approval:

CLEAR FORM

_____	_____
Department Chair	Date
_____	_____
Dean of the College	Date
_____	Date of Notice to the Faculty
_____	_____
*Undergraduate Council	Date
_____	_____
*University Studies	Date
_____	_____
*Graduate Council	Date
_____	_____
Academic Council for the Medical Center	Date
_____	_____
Senate Council	Date of Notice to University Senate

*If applicable, as provided by the Rules of the University Senate

ACTION OTHER THAN APPROVAL