



UNIVERSITY OF KENTUCKY

RECEIVED

FEB 23 09

OFFICE OF THE  
SENATE COUNCIL

College of Pharmacy

*Department of Pharmaceutical Sciences*

*Lexington, KY 40536-0082*

*(859) 257-7896*

*Fax: (859) 323-0242*

*www.mc.uky.edu/pharmacy*

February 20, 2009

Dr. David Randall  
Chair of the University Senate Council  
University of Kentucky

Dear Dr. Randall:

We would like to submit for your review and approval, a number of changes in our College of Pharmacy graduate courses. The accompanying letter gives a brief history and rationale for these changes. With considerable help from Sheila Brothers, and a new ruling by the Senate Rules Committee that allows courses numbered between 600-799 to be deemed as the same "level", we anticipate that all the changes we are submitting now will be MINOR changes. No changes in course content or "level" are proposed; these are only prefix and numbering alterations. A similar but separate proposal for our professional courses (new departmental-based prefixes; no course content changes) is also being reviewed. Hopefully all courses in the College of Pharmacy will be altered synchronously, and in time for Fall 2009 registration.

In the Table we have noted several courses that will simply be re-prefixed for now, and will later have MAJOR change forms prepared for additional, more substantial review. In addition, we are submitting individual forms for courses in which we propose to remove prerequisites that are no longer taught. These changes lay the groundwork for a much needed updating of our curriculum. Thank you for your review. Let me know if you have questions.

Sincerely,

Janice E. Buss, Ph. D.  
Professor and Director of Graduate Studies  
<http://www.mc.uky.edu/Pharmacy/>

(859) 323-0094  
[jbuss2@email.uky.edu](mailto:jbuss2@email.uky.edu)

**PROPOSAL TO CHANGE PREFIX AND NUMBERING OF  
GRADUATE COURSES IN PHARMACEUTICAL SCIENCES**  
(02/19/2009)

**Background** <sup>[1]</sup>

On July 1, 2004, the faculty of the College of Pharmacy formed two academic departments, the Department of Pharmacy Practice and Sciences (PPS) and the Department of Pharmaceutical Sciences (PS). Prior to the establishment of two academic departments the faculty belonged to one formal academic department (Pharmacy, PHR) within the College of Pharmacy. Although numerous changes were undertaken in the transition to two departments, one issue that was not addressed was assignment of formal responsibility for, and designation of, course work affiliated with each department. Coursework within the university is largely the responsibility of academic departments. Because the Pharmacy Department no longer exists as a formal academic unit within the institution, the association of the prefix PHR with courses taught by two different departments within the College of Pharmacy needs to be addressed.

Presently there is one University-recognized graduate program in the College of Pharmacy, the Pharmaceutical Sciences Graduate Program. However, a separate graduate program in Pharmaceutical Outcomes and Policy is being developed by the PPS Department. The two Departments share responsibility for the Clinical and Experimental Therapeutics track that is currently within the Pharmaceutical Sciences Graduate Program.

The PS and PPS Departments are engaged in a systematic review of Pharmaceutical Sciences Graduate Program courses. One outcome of that initiative is this proposal to change both the departmental prefix and numbering system for graduate courses taught by PS and PPS to more clearly reflect the responsibility of the departments for these courses, and to further establish their identities as distinct departments within the College of Pharmacy, to both students and faculty within and external to the college.

Therefore, the following is a proposal to change the course prefix designation for graduate courses taught by Department of Pharmaceutical Sciences faculty members, from PHR to **PHS**, and to renumber courses in a more consistent, organized manner that indicates the recent partitioning of the PS department into two divisions (Drug Discovery and Drug Development). The prefix of graduate courses taught by Department of Pharmacy Practice and Science (PPS) faculty members is likewise proposed to change from PHR to **PPS**.

**Professional Courses**

This proposal is concerned only with graduate courses, and is coordinated with, but does not request changes in prefix or numbering of professional pharmacy student courses (800 or 900 level). Changes in professional courses are part of a separate proposal.

**Overview of Proposed New Numbering**

*Minor Changes that are part of this current GROUPED request (see Table 1)*

1. All courses in this list that are taught by PS faculty will be changed from a PHR prefix to **PHS**. Existing courses taught by PPS faculty will be changed from a PHR prefix to **PPS**.
2. Specialized courses such as Introduction to Pharmaceutical Sciences, Research, Rotations, Journal Clubs and Seminar, and the required Residency courses for graduate students who have passed their qualifying exam will utilize **PHS, or PPS, 700-level numbers**.
3. Other courses, both lecture and laboratory format, will utilize **PHS, or PPS, 600-level numbers**.
4. In addition, there will be a separate number range for PHS courses taught by faculty of each Division:
  - a. PHS 600-649 Drug Development
  - b. PHS 650-699 Drug Discovery

*Minor Changes submitted now, as SEPARATE requests (see Table 1, bottom)*

5. Three courses (noted in Yellow in Table 2) will remove Prerequisites listed in Course Bulletin that are no longer offered (e.g., 800-level courses). These courses will have Minor change forms prepared individually, not as part of the group.

*Major Changes to be submitted later (see Table 2, in turquoise)*

6. Four courses (noted in turquoise in Table 2) that will eventually change to their own individual course numbers will, for now, simply be re-prefixed. The Major Change forms to propose these courses will be submitted later this semester.
7. A separate request to “Remove” several courses (also noted in turquoise in Table 2) will be made later this semester. These courses have not recently been taught, and there are no plans that they will be offered in the future. Departments that cross-listed these courses have given approval for their removal (see Table). Also, remove the two Residency courses that no longer have any students who qualify.
  - a. PHR 530 Radiopharmaceutics
  - b. PHR 622 Adv Biopharmaceutics (replaced by PHS 599 Drug Delivery)
  - c. PHR 647 Intro to Molecular Pharmacotherapeutics
  - d. PHR 649 Advanced Molecular Pharmacology
  - e. PHR 768 2 semester Residency for Masters degree
  - f. PHR 769 2 semester Residency for Doctors degree

[1] Adapted from PJ McNamara document of 8/22/08

**TABLE 1-OFFICIAL PROPOSAL**

**-MINOR CHANGES ONLY (New Prefix and Numbers within current Series Level)**

Proposed New Prefix, Number	Old Prefix, Number	Title	Credit hr	Dept/ Division	Coord'r	Comments
<b>CHANGES FOR PHS</b>						
PHS 510	PHR 510	Modern Methods in Pharmaceutical Analysis	5	Develop	Lodder	
PHS 630	PHR 630	Pharmaceutical Rate Processes	3	Develop	Anderson	
PHS 631	PHR 631	Equilibrium Phenomena in Pharmaceutical Systems	3	Develop	Bummer	
*PHS 660	PHR 620	Biosynthesis of Natural Products	3	Discov	Watt	Change # to 660
PHS 662	PHR 762	Bioorganic Mechanisms	3	Discov	Crooks	
PHS 665	PHR 645	Neurotoxicology	2	Discov		change # to 665
PHS 700	PHR 760- Sec #s vary	Introduction to Pharmaceutical Sciences	2	PS	Buss	
PHS 750 001	PHR 760- Sec #s vary	Neuro Journal Club	1	Discov	Nixon	change all Journal Clubs to 750
PHS 750 002	PHR 760- Sec #s vary	PPDM Journal Club	1	Develop	Wedlund	
PHS 750 003	PHR 760- Sec #s vary	Cardiovascular Journal Club	1	Discov	Graf	
PHS 750 004	PHR 760- Sec #s vary	Solid State Chem Journal Club	1	Develop	Li	
PHS 750 005	PHR 760- Sec #s vary	Transporter Journal Club	1	Develop	Leggas	
PHS 750 006	PHR 760- Sec #s vary	Pharmacogenomics/genetics J Club	1	Discov	Black	
PHS 755	PHR 760- Sec #s vary	Rotation - Traditional Track students	1-4	PS	Buss	
PHS 756	PHR 760- Sec #s vary	Rotation - CET Students	1-4	PS	Buss	
PHS 760-xxx	PHR 760- Sec #s vary	Topics in Pharmaceutical Sciences	1-4	PS	Buss	
PHS 778	PHR 778	Seminar (Dept and Division)	1	PS	Buss	
PHS 748	PHR 748	0 cr MS Research	0	PS	Buss	Retain; will slowly phase out
PHS 749	PHR 749	0 cr PhD Research post- Qual	0	PS	Buss	Retain; will slowly phase out
PHS 767	PHR 767	Dissertation Residency-PhD post-Qual	2	PS	Buss	for all students after F05
PHS 780	PHR 780	Special Problems	1 to 12	PS	mentor	
PHS 790	PHR 790	Research (Masters or pre-Qual)	1 to 12	PS	mentor	
PHS 530	PHR 530	Radiopharmaceutics	3			
PHS 622	PHR 622	Advanced Biopharmaceutics	2			
PHS 647	PHR 647	Introduction to Molecular Pharmacotherapeutics	3			
PHS 649	PHR 649	Advanced Molecular Pharmacology	2			
PHS 768	PHR 768	2 sem Residency cr for Masters degree	1 to 6	PS		
PHS 769	PHR 769	2 sem Residency cr for Doctors degree	1 to 12	PS		

<b>CHANGES FOR PPS</b>						
PPS 665	PHR 665	<i>Ethical Issues in Clinical Research</i>	3	PPS	Hatton	
PPS 764	PHR 764	<i>Drug Development, Regulation &amp; Clinical Research</i>	3	PPS	Wermeling	
§ PPS760-xxx	PHR760	<i>Special Topics-Pharmacy Practice &amp; Science</i>	1 to 4	PPS		
§ PPS780	PHR780	<i>Special Problems</i>	1 to 12	PPS	mentor	
§ PPS790	PHR790	<i>Research (Masters or pre-Qual PhD)</i>	1 to 12	PPS	mentor	
§ PPS767	PHR767	<i>Dissertation Residency - PhD post-Qual</i>	2	PPS	Buss	

\*PHR 620 has just been approved as a new course; it will be re-numbered as PHS 660 to follow the new system.

§ These are the PPS equivalents of the pre-existing courses under the old prefix and numbering system.

**Courses submitted individually, as "minor" changes, because of removal of prerequisites**

PHS 545	PHR 545	Sterile Parenterals and Devices	3	Develop	Deluca	Remove prereq PHR 846,PHR 825
PHS 612	PHR 612	Quant Pharmacodynam:Pharmacokinet	3	Develop	McNamara	Remove prereq PHR 802
PPS 520	PHR 520	<i>Special Topics in Pharmacy Law</i>	2	PPS	Fink	Prereq- remove PHR831;add 910

**TABLE 2. INFORMATIONAL TABLE WITH ALL COURSES LISTED**

Proposed New Prefix, Number	Old Prefix, Number	Title	Credit hr	Dept/ Divison	Coord'r	Comments
<b>CHANGES FOR PHS</b>						
PHS 510	PHR 510	Modern Methods Pharmaceut'l Analysis	5	Develop	Lodder	
#PHS 545	PHR 545	Sterile Parenterals and Devices	3	Develop	Deluca	Remove prereq PHR 846, PHR 825
#PHS 612	PHR 612	Quant Pharmacodynam: Pharmacokinet	3	Develop	McNamara	Remove prereq PHR 802
PHS 630	PHR 630	Pharmaceutl Rate Process	3	Develop	Anderson	
PHS 631	PHR 631	Equilib Phenom in Pharm Systems	3	Develop	Bummer	
PHS 760-xxx	PHR 760- Sec #s vary	Practl Appl Drug Metab	3	Develop	Wedlund	Will separately do Major change from Special Topics- to PHS 632
*PHS 660	PHR 620	Biosynthesis of Natural Products	3	Discov	Watt	change to 660
PHS 760-xxx	PHR 760- Sec #s vary	Drug Targets & Actions	3	Discov	Tai	Will separately do Major change from Special Topics- to PHS 661
PHS 662	PHR 762	Biorganic Mechanisms	3	Discov	Crooks	
PHS 760-xxx	PHR 760- Sec #s vary	Neurobiol Abused Drugs	3	Discov	Dwoskin	Will separately do Major change from Special Topics- to PHS 663
PHS 665	PHR 645	Neurotoxicology	2	Discov		RETAIN course; change # to 665
PHS 700	PHR 760- Sec #s vary	Intro to Pharm Sci	2	PS	Buss	
PHS 750 001	PHR 760- Sec #s vary	Neuro Journal Club	1	Discov	Nixon	change all Journal Clubs to 750
PHS 750 002	PHR 760- Sec #s vary	PPDM Journal Club	1	Develop	Wedlund	
PHS 750 003	PHR 760- Sec #s vary	Cardiovascular Journal Club	1	Discov	Graf	
PHS 750 004	PHR 760- Sec #s vary	Solid State Chem Journal Club	1	Develop	Li	
PHS 750 005	PHR 760- Sec #s vary	Transporter Journal Club	1	Develop	Leggas	
PHS 750 006	PHR 760- Sec #s vary	Pharmacogenomics/genetics J Club	1	Discov	Black	
PHS 755	PHR 760- Sec #s vary	Rotation - Traditional Track students	1-4	PS	Buss	
PHS 756	PHR 760- Sec #s vary	Rotation - CET Students	1-4	PS	Buss	
PHS 760-xxx	PHR 760- Sec #s vary	Special Topics in Pharm Sci	1-4	PS	Buss	
PHS 760-xxx	PHR 760- Sec #s vary	Advanced Pharmacology	1-4	Discov	Loftin	version of professional course, PHR 951, for grad students
PHS 760-xxx	PHR 760- Sec #s vary	Tech in Pharm Analysis	1-4	Develop	Li	
PHS 760-xxx	PHR 760 (CME 599)	Drug Delivery	3	Develop	Anderson	Separately do MAJOR change to PHS 599 to allow undergrads
PHS 778	PHR 778	Seminar (Dept and Division)	1	PS	Buss	
PHS 748	PHR 748	0 cr MS Research	0	PS	Buss	Retain; will slowly phase out
PHS 749	PHR 749	0 cr PhD Research post- Qual	0	PS	Buss	Retain; will slowly phase out
PHS 767	PHR 767	Dissertation Residency-PhD post-Qual	2	PS	Buss	for all students after F05
PHS 780	PHR 780	Special Problems	1 to 12	PS	mentor	
PHS 790	PHR 790	Research (Masters or pre-Qual)	1 to 12	PS	mentor	
PHS530	PHR 530	Radiopharmaceutics	3			Will separately do MAJOR change to remove course
PHS 622	PHR 622	Adv Biopharmaceutics	2			Will separately do MAJOR change to remove course
PHS 647	PHR 647	Intro to Molec Pharmacotherapeutics	3			Will separately do MAJOR change to remove course
PHS 649	PHR 649	Advanced Molecular Pharmacology	2			Will separately do MAJOR change to remove course
PHS 768	PHR 768	2 sem Residency cr for Masters degree	1 to 6	PS		Will separately do MAJOR change to remove course
PHS 769	PHR 769	2 sem Residency cr for Doctors deg	1 to 12	PS		Will separately do MAJOR change to remove course
<b>CHANGES FOR PPS</b>						
#PPS 520	PHR 520	Special Topics in Pharmacy Law	2	PPS	Fink	Prereq- remove PHR831; add 910
PPS 665	PHR 665	Ethical Issues in Clinical Research	3	PPS	Hatton	
PPS 764	PHR 764	Drug Develop Regulation & Clin Res	3	PPS	Wermeling	
§ PPS760-xxx	PHR760	Special Topics-Pharmacy Pract & Sci	1 to 4	PPS		
§ PPS780	PHR780	Special Problems	1 to 12	PPS	mentor	
§ PPS790	PHR790	Research (Masters or pre-Qual PhD)	1 to 12	PPS	mentor	
§ PPS767	PHR767	Dissertation Residency - PhD post-Qual	2	PPS	Buss	

#YELLOW SHADING: courses will be submitted individually, as "minor" changes, because of removal of prerequisites.

TURQUOISE SHADING: courses must be submitted individually, as MAJOR changes. This will be done during Spring 2009.

## UNIVERSITY SENATE ROUTING LOG

**Proposal Title:** Proposal to change prefix and numbering of graduate courses in Pharmaceutical Sciences

**Contact Person (name, email & phone #):** Janice Buss, Director of Graduate Studies, (323-0094; [jbuss2@email.uky.edu](mailto:jbuss2@email.uky.edu))

**Instruction:** To facilitate the processing of this proposal please identify the groups or individuals reviewing the proposal, identify a contact person for each entry, provide the consequences of the review (specifically, approval, rejection, no decision and vote outcome, if any) and please attach a copy of any report or memorandum developed with comments on this proposal.

<b>Reviewed by: (Chairs, Directors, Faculty Groups, Faculty Councils, Committees, etc.)</b>	<b>Contact person Name (phone/email)</b>	<b>Consequences of Review:</b>	<b>Date of Proposal Review</b>	<b>Review Summary Attached? (yes or no)</b>
Director of Graduate Studies Dr. Janice Buss	Dr. J Buss (323-0094; <a href="mailto:jbuss2@email.uky.edu">jbuss2@email.uky.edu</a> )	Approved	April 2008	No
Dept of Pharmaceutical Sciences Chair Dr. Patrick McNamara	Kendra Harvey (257-7896; <a href="mailto:kharvey@email.uky.edu">kharvey@email.uky.edu</a> )	Approve	August 22, 2008	No. Suggestions incorporated
Dept of Pharmacy Practice and Science Dr. Jimmi Hatton	Tammy Harper (257-9384); <a href="mailto:tjharp00@email.uky.edu">tjharp00@email.uky.edu</a>	Approved	December 12, 2008	No. Suggestions incorporated
Assoc Dean for Research and Graduate Education Dr. Robert Yokel	John Collins (257-3364; <a href="mailto:jtcoll1@email.uky.edu">jtcoll1@email.uky.edu</a> )	Approved	November 3, 2008	No. Suggestions incorporated
College of Pharmacy Graduate Program Committee	Dr. J Buss (323-0094; <a href="mailto:jbuss2@email.uky.edu">jbuss2@email.uky.edu</a> )	Unanimous Approval	November 6, 2008	No. Unanimous
College of Pharmacy Graduate Program Faculty	Dr. J Buss (323-0094; <a href="mailto:jbuss2@email.uky.edu">jbuss2@email.uky.edu</a> )	Unanimous approval	December 16, 2008	No. Unanimous
Dean, College of Pharmacy Dr. Kenneth Roberts	Mary Morse (257-2736; <a href="mailto:mmo223@uky.edu">mmo223@uky.edu</a> )	Approved	February 20, 2009	No.
Graduate Council	--			
Health Care Colleges Council (HCCC)	--			
Senate Council Chair- Dr. David Randall				

APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

FEB 23 09

1. Submitted by the College of Pharmacy Date: \_\_\_\_\_ OFFICE OF THE SENATE COUNCIL  
 Department/Division offering course: Pharmaceutical Sciences

2. What type of change is being proposed?  Major  Minor\*

\*See the description at the end of this form regarding 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 Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal processing and an email notification will be sent to the contact person.

PROPOSED CHANGES

Please complete all "Current" fields.

Fill out the "Proposed" field only for items being changed. Enter N/A if not changing.

Circle the number for each item(s) being changed. For example: (6.)

3. Current prefix & number: PHR (See attached Tables) Proposed prefix & number: PHS and PPS(See attached Table)

4. Current Title Multiple titles- See Attached Tables  
 Proposed Title† No changes- See Attached Tables

†If title is longer than 24 characters, offer a sensible title of 24 characters or less: \_\_\_\_\_

5. Current number of credit hours: N/A Proposed number of credit hours: N/A

6. Currently, is this course repeatable? YES  NO  If YES, current maximum credit hours: \_\_\_\_\_  
 Proposed to be repeatable? YES  NO  If YES, proposed maximum credit hours: \_\_\_\_\_

7. Current grading system:  Letter (A, B, C, etc.)  Pass/Fail  
 Proposed grading system:  Letter (A, B, C, etc.)  Pass/Fail

8. Courses must be described by at least one of the categories below. Include number of actual contact hours per week for each category.

Current:

CLINICAL  COLLOQUIUM  DISCUSSION  LABORATORY  LECTURE  
 INDEPEND. STUDY  PRACTICUM  RECITATION  RESEARCH  RESIDENCY  
 SEMINAR  STUDIO  OTHER – Please explain: Multiple Courses- No changes proposed

Proposed:

CLINICAL  COLLOQUIUM  DISCUSSION  LABORATORY  LECTURE  
 INDEPEND. STUDY  PRACTICUM  RECITATION  RESEARCH  RESIDENCY  
 SEMINAR  STUDIO  OTHER – Please explain: \_\_\_\_\_

9. Requested effective date (term/year): Fall / 2009

10. Supplementary teaching component:  N/A  Community-Based Experience  Service Learning  Both  
 Proposed supplementary teaching component:  Community-Based Experience  Service Learning  Both







APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

RECEIVED

1. Submitted by the College of Pharmacy Date: FEB 23 09  
 Department/Division offering course: Pharmacy Practice and Science OFFICE OF THE SENATE COUNCIL

2. What type of change is being proposed?  Major  Minor\*  
 \*See the description at the end of this form regarding 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 Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal processing and an email notification will be sent to the contact person.

PROPOSED CHANGES

Please complete all "Current" fields.

Fill out the "Proposed" field only for items being changed. Enter N/A if not changing.

Circle the number for each item(s) being changed. For example: (6.)

3. Current prefix & number: PHR 520 001 Proposed prefix & number: PPS 520 001

4. Current Title Special Topics in Pharmacy Law  
 Proposed Title† N/A

†If title is longer than 24 characters, offer a sensible title of 24 characters or less: Spec Topics Pharm Law

5. Current number of credit hours: 2 Proposed number of credit hours: N/A

6. Currently, is this course repeatable? YES  NO  If YES, current maximum credit hours: \_\_\_\_\_  
 Proposed to be repeatable? YES  NO  If YES, proposed maximum credit hours: \_\_\_\_\_

7. Current grading system:  Letter (A, B, C, etc.)  Pass/Fail  
 Proposed grading system:  Letter (A, B, C, etc.)  Pass/Fail

8. Courses must be described by at least one of the categories below. Include number of actual contact hours per week for each category.

Current:

CLINICAL  COLLOQUIUM  DISCUSSION  LABORATORY  2 LECTURE  
 INDEP. STUDY  PRACTICUM  RECITATION  RESEARCH  RESIDENCY  
 SEMINAR  STUDIO  OTHER - Please explain: \_\_\_\_\_

Proposed:

CLINICAL  COLLOQUIUM  DISCUSSION  LABORATORY  LECTURE  
 INDEP. STUDY  PRACTICUM  RECITATION  RESEARCH  RESIDENCY  
 SEMINAR  STUDIO  OTHER - Please explain: \_\_\_\_\_

9. Requested effective date (term/year): Fall / 2009

10. Supplementary teaching component:  N/A  Community-Based Experience  Service Learning  Both  
 Proposed supplementary teaching component:  Community-Based Experience  Service Learning  Both





APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

FEB 23 09

1. Submitted by the College of Pharmacy Date: \_\_\_\_\_  
 Department/Division offering course: Pharmaceutical Sciences

OFFICE OF THE  
SENATE COUNCIL

2. What type of change is being proposed?  Major  Minor\*

\*See the description at the end of this form regarding 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 Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal processing and an email notification will be sent to the contact person.

PROPOSED CHANGES

Please complete all "Current" fields.

Fill out the "Proposed" field only for items being changed. Enter N/A if not changing.

Circle the number for each item(s) being changed. For example: (6.)

3. Current prefix & number: PHR 612 001 Proposed prefix & number: PHS 612 001

4. Current Title Quantitative Pharmacodynamics: Pharmacokinetics

Proposed Title† N/A

†If title is longer than 24 characters, offer a sensible title of 24 characters or less: Quant Pharmacodynamics: Pharmacokinetics

5. Current number of credit hours: 3 Proposed number of credit hours: N/A

6. Currently, is this course repeatable? YES  NO  If YES, current maximum credit hours: \_\_\_\_\_

Proposed to be repeatable? YES  NO  If YES, proposed maximum credit hours: \_\_\_\_\_

7. Current grading system:  Letter (A, B, C, etc.)  Pass/Fail

Proposed grading system:  Letter (A, B, C, etc.)  Pass/Fail

8. Courses must be described by at least one of the categories below. Include number of actual contact hours per week for each category.

Current:

CLINICAL  COLLOQUIUM  DISCUSSION  LABORATORY  3 LECTURE  
 INDEPEND. STUDY  PRACTICUM  RECITATION  RESEARCH  RESIDENCY  
 SEMINAR  STUDIO  OTHER - Please explain: \_\_\_\_\_

Proposed:

CLINICAL  COLLOQUIUM  DISCUSSION  LABORATORY  LECTURE  
 INDEPEND. STUDY  PRACTICUM  RECITATION  RESEARCH  RESIDENCY  
 SEMINAR  STUDIO  OTHER - Please explain: \_\_\_\_\_

9. Requested effective date (term/year): Fall / 2009

10. Supplementary teaching component:  N/A  Community-Based Experience  Service Learning  Both

Proposed supplementary teaching component:  Community-Based Experience  Service Learning  Both

**APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR**

11. Cross-listing:  N/A or PHA 612 001 Philip W. Landfield, Ph.D. Philip W Landfield  
Current Prefix & Number printed name Current Cross-listing Department Chair signature

a. Proposed – REMOVE current cross-listing:  /  
printed name Current Cross-listing Department Chair signature

b. Proposed – ADD cross-listing: /  
Prefix & Number printed name Proposed Cross-listing Department Chair signature

12. Current Distance Learning (DL) status:  Already approved for DL  Please Add  Please Drop  
 If PROPOSING, check one of the methods below that reflects how the majority of the course content will be delivered.  
 Internet/Web-based  Interactive Video  Extended Campus

13. Current prerequisites:  
 PHR 802 (or equivalent), MA 114 and consent of instructor  
 Proposed prerequisites:  
 MA 114 or consent of instructor

14. Current Bulletin description:  
 Quantitative treatment of dynamics of drug absorption, distribution, metabolism and excretion, including development of both mathematical models and model-independent approaches for describing these processes.  
 Proposed Bulletin description:  
 N/A

15. What has prompted this change?  
 The change is necessary by the elimination of the prerequisite.

16. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:  
 N/A

17. Please list any other department that could be affected by the proposed change:  
 N/A

18. Will changing this course change the degree requirements for ANY program on campus?  YES  NO  
 If YES<sup>†</sup>, list below the programs that require this course:

<sup>†</sup>In order for the course change to be considered, program change form(s) for the programs above must also be submitted.



APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR

RECEIVED

FEB 23 09

OFFICE OF THE SENATE COUNCIL

1. Submitted by the College of Pharmacy Date: \_\_\_\_\_  
 Department/Division offering course: Pharmaceutical Sciences

2. What type of change is being proposed?  Major  Minor\*  
 \*See the description at the end of this form regarding 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 Senate Council chair deems the change not to be minor, the form will be sent to the appropriate Council for normal processing and an email notification will be sent to the contact person.

PROPOSED CHANGES

Please complete all "Current" fields.

Fill out the "Proposed" field only for items being changed. Enter N/A if not changing.

Circle the number for each item(s) being changed. For example: (6.)

3. Current prefix & number: PHR 545 001 Proposed prefix & number: PHS 545 001

4. Current Title Sterile Parenterals and Devices

Proposed Title† N/A

†If title is longer than 24 characters, offer a sensible title of 24 characters or less: Sterile Parenterals

5. Current number of credit hours: 2-3 Proposed number of credit hours: N/A

6. Currently, is this course repeatable? YES  NO  If YES, current maximum credit hours: \_\_\_\_\_

Proposed to be repeatable? YES  NO  If YES, proposed maximum credit hours: \_\_\_\_\_

7. Current grading system:  Letter (A, B, C, etc.)  Pass/Fail

Proposed grading system:  Letter (A, B, C, etc.)  Pass/Fail

8. Courses must be described by at least one of the categories below. Include number of actual contact hours per week for each category.

Current:

<input type="checkbox"/> CLINICAL	<input type="checkbox"/> COLLOQUIUM	<input type="checkbox"/> DISCUSSION	<input checked="" type="checkbox"/> 3 LABORATORY	<input checked="" type="checkbox"/> 2 LECTURE
<input type="checkbox"/> INDEPEND. STUDY	<input type="checkbox"/> PRACTICUM	<input type="checkbox"/> RECITATION	<input type="checkbox"/> RESEARCH	<input type="checkbox"/> RESIDENCY
<input type="checkbox"/> SEMINAR	<input type="checkbox"/> STUDIO	<input type="checkbox"/> OTHER – Please explain: _____		

Proposed:

<input type="checkbox"/> CLINICAL	<input type="checkbox"/> COLLOQUIUM	<input type="checkbox"/> DISCUSSION	<input type="checkbox"/> LABORATORY	<input type="checkbox"/> LECTURE
<input type="checkbox"/> INDEPEND. STUDY	<input type="checkbox"/> PRACTICUM	<input type="checkbox"/> RECITATION	<input type="checkbox"/> RESEARCH	<input type="checkbox"/> RESIDENCY
<input type="checkbox"/> SEMINAR	<input type="checkbox"/> STUDIO	<input type="checkbox"/> OTHER – Please explain: _____		

9. Requested effective date (term/year): Fall / 2009

10. Supplementary teaching component:  N/A  Community-Based Experience  Service Learning  Both

Proposed supplementary teaching component:  Community-Based Experience  Service Learning  Both



**APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR**

11. Cross-listing:  N/A or \_\_\_\_\_ / \_\_\_\_\_  
Current Prefix & Number      printed name      Current Cross-listing Department Chair      signature

a. Proposed – REMOVE current cross-listing:  \_\_\_\_\_ / \_\_\_\_\_  
printed name      Current Cross-listing Department Chair      signature

b. Proposed – ADD cross-listing: \_\_\_\_\_ / \_\_\_\_\_  
Prefix & Number      printed name      Proposed Cross-listing Department Chair      signature

12. Current Distance Learning (DL) status:     Already approved for DL     Please Add     Please Drop

*If PROPOSING, check one of the methods below that reflects how the majority of the course content will be delivered.*

*Internet/Web-based*

*Interactive Video*

*Extended Campus*

13. Current prerequisites:

PHR 846 and PHR 825 (or equivalent) and consent of instructor

*Proposed prerequisites:*

Consent of instructor

14. Current Bulletin description:

The course will describe the fundamental concepts, principles and techniques involved in the characterization, development, evaluation and preparation of sterile products.

*Proposed Bulletin description:*

N/A

15. What has prompted this change?

The change is necessary by the elimination of the prerequisite.

16. If there are to be significant changes in the content or teaching objectives of this course, indicate changes:

N/A

17. Please list any other department that could be affected by the proposed change:

N/A

18. Will changing this course change the degree requirements for ANY program on campus?     YES     NO

If YES<sup>†</sup>, list below the programs that require this course:

<sup>†</sup>In order for the course change to be considered, program change form(s) for the programs above must also be submitted.

**APPLICATION FOR CHANGE IN EXISTING COURSE: MAJOR and MINOR**

18. Is this course currently included in the University Studies Program?  Yes  No

19.  Check box if changed to 400G or 500. If changed to 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate and graduate students by (i) requiring additional assignments by the graduate students; and/or (ii) the establishment of different grading criteria in the course for graduate students. (See SR 3.1.4)

20. Within the department, who should be contacted for further information on the proposed course change?

Name: Janice Buss, Ph.D. Phone: 859.323.0094 Email: jbuss2@email.uky.edu

21. Signatures to report approvals:

August 22, 2008	Patrick McNamara, Ph.D.
DATE of Approval by Department Faculty	printed name                      Reported by Department Chair                      signature
December 16, 2008	Kenneth Roberts, Ph.D.
DATE of Approval by College Faculty	printed name                      Reported by College Dean                      signature
*DATE of Approval by Undergraduate Council	/
*DATE of Approval by Graduate Council	printed name                      Reported by Graduate Council Chair                      signature
*DATE of Approval by Health Care Colleges Council (HCCC)	/
*DATE of Approval by Senate Council	Reported by Office of the Senate Council
*DATE of Approval by the University Senate	/
*DATE of Approval by the University Senate	Reported by the Office of the Senate Council

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

\*\*\*\*\*

Excerpt from *University Senate Rules*:

**SR 3.3.0.G.2: Definition.** A request may be considered a minor change if it meets one of the following criteria:

- a. change in number within the same hundred series;
- b. editorial change in the course title or description which does not imply change in content or emphasis;
- c. a change in prerequisite(s) which does not imply change in content or emphasis, or which is made necessary by the elimination or significant alteration of the prerequisite(s);
- d. a cross-listing of a course under conditions set forth in SR 3.3.0.E;
- e. correction of typographical errors.