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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.

Janice E. Buss

Professor and Director of Graduate Studies

http://www.mc.uky.edu/Pharmacy/

(859) 323-0094 jbuss2@email.uky.edu

PROPOSAL TO CHANGE PREFIX AND NUMBERING OF GRADUATE COURSES IN PHARMACEUTICAL SCIENCES

(02/19/2009)

Background [1]

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/ Divison	Coord'r	Comments
CHANGES FOR F	PHS		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·	
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	
PH\$ 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	
PH\$ 760-xxx	PHR 760- Sec #s vary	Topics in Pharmaceutical Sciences	1-4	PS	Buss	
PHS 778	PHR 778	Seminar (Dept and Division)	1	P\$	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		
CHANGES FOR F	PP\$					
PPS 665	PHR 665	Ethical Issues in Clinical Research	3	PPS	Hatton	
PPS 764	PHR 764	Drug Development, Regulation & Clinical Research	3	PPS	Wermeling	
§ PPS760-xxx	PHR760	Special Topics-Pharmacy Practice & Science	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	

*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 prereg PHR 846,PHR 825
PHS 612	PHR 612	Quant Pharmacodynam:Pharmacokinet	3	Develop	McNamara	Remove prereq PHR 802
PPS 520	PHR 520	Special Topics in Pharmacy Law	2	PPS	Fink	Prereg- 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
CHANGES FOR PH					<u> </u>	
PHS 510	PHR 510	Modern Methods Pharmaceut'l Analysis	5	Develop	Lodder	
#PHS 545	PHR 545	Sterile Parenterals and Devices	3	Develop	Deluca	Remove prereg PHR 846,PHR 825
#PHS 612	PHR 612	Quant Pharmacodynam:Pharmacokinet	3	Develop	McNamara	Remove prereg 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	Practi 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	Bioorganic 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	P\$	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	
PH\$580	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
CHANGES FOR PP	S					
#PPS 520 _	PHR 520	Special Topics in Pharmacy Law	2	PPS	Fink	Prereg- 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)

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.

Reviewed by: (Chairs, Directors, Faculty Groups, Faculty Councils, Committees, etc.)	Contact person Name (phone/email)	Consequences of Review:	Date of Proposal Review	Review Summary Attached? (yes or no)
Director of Graduate Studies	Dr. J Buss (323-0094;	Approved	April 2008	No
Dr. Janice Buss	jbuss2@email.ukv.edu)			
Dept of Pharmaceutical Sciences Chair	Kendra Harvey (257-7896;	Approve	August 22,	No. Suggestions
Dr. Patrick McNamara	kharvey@email.uky.edu)		2008	incorporated
Dept of Pharmacy Practice and Science	Tammy Harper (257-9384);	Approved	December 12,	No. Suggestions
Dr. Jimmi Hatton	tjharp00@email.uky.edu		2008	incorporated
Assoc Dean for Research and Graduate	John Collins (257-3364;	Approved	November 3,	No. Suggestions
Education	jtcoll1@email.uky.edu)		2008	incorporated
Dr. Robert Yokel				
College of Pharmacy Graduate Program	Dr. J Buss (323-0094;	Unanimous	November 6,	No. Unanimous
Committee	jbuss2@email.uky.edu)	Approval	2008	
College of Pharmacy Graduate Program	Dr. J Buss (323-0094;	Unanimous	December 16,	No. Unanimous
Faculty	jbuss2@email.uky.edu)	approval	2008	
Dean, College of Pharmacy	Mary Morse (257-2736;	Approved	February 20,	No.
Dr. Kenneth Roberts	mmo223@uky.edu)		2009	
Graduate Council				
Health Care Colleges Council (HCCC)		. 1. 100,000		
Senate Council				
Chair- Dr. David Randall			,	



FEB 23 09

1.	Submitted by the College of	f Pha	rmacy	Da	ate:	OFFICE OF THE SENATE COUNCIL
	Department/Division offeri	ng course: Ph	armaceutical Scien	ces		and the second s
2.	What type of change is bein *See the description at the er of the college to the Chair or	nd of this form re		✓ Minor dange. Manage. Manage.	Minor changes are sent d	irectly from the dean
	If the Senate Council chair cand an email notification wi	ll be sent to the c		CHANGES	ne appropriate Council fo	or normal processing
	Fill out t			eing changed, <u>Enter N/</u>	A if not changing,	
		Circle the numl	per for each item(s) t	oeing changed. For exa	mple: 6.)	
(3.)	Current prefix & number:	PHR (See att	ached Tables)	Proposed prefix & n	number: PHS and PPS	(See attached Table)
4.	Current Title	Multiple titles	- See Attached Tal	oles		
	Proposed Title [†]	No changes-	See Attached Tab	les		
	†If title is longer than 24 ch	aracters, offer a	sensible title of 24 c	haracters or less:		
5.	Current number of credit ho	ours: N/A	_ Pro	posed mimber of credi	t hours: N/A	
6.	Currently, is this course rep	eatable? YE	s 🔲 NO 🔲	If YES, curren	t maximum credit hours:	
	Proposed to be repeatable?	YES	s 🗆 NO 🗆	If YES, proposed	d maximum credit hours:	• • • • • • • • • • • • • • • • • • •
7.	Current grading system:	Letter (A	A, B, C, etc.)	Pass/Fail		
	Proposed grading system:	Letter (1	1, B, C, etc.)	Pass/Fail		
8,	Courses must be described	by <u>at least one</u> o	f the categories belov	v. Include number of a	ctual contact hours per v	veek for each category.
	Current: CLINICAL X INDEPEND. STUDY X SEMINAR	COLLOC PR	ACTICUM	RECITATION	LABORATORY x RESEARCH Itiple Courses- No cha	x LECTURE x RESIDENCY nges proposed
	Proposed: CLINICAL INDEPEND. STUD SEMINAR	COLLO Y P	RACTICUM	DISCUSSION RECITATION Please explain:	LABORATORY RESEARCH	LECTURE RESIDENCY
9.	Requested effective date (to	erm/year);	Fall _/	2009	<u> </u>	
10.	Supplementary teaching co	,	<u> </u>	mmunity-Based Exper		<u> </u>

11.	Cross-listing: N/A or	/					
	Current Prefix & Number	printed name	Current Cross-listing Department Chair	signature			
	a. Proposed – REMOVE current cross-listing:		/				
	a. Troposed Namer's current cross teams.	primed 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:	proved for DL	☐ Please Add ☐ Please Dr	op			
	If PROPOSING, check one of the methods below that reflec	ts how the majo	rity of the course content will be delivered.				
	Internet/Web-based Interactive I	Video 🔲	Extended Campus 🔲				
13.	Current prerequisites:						
	Proposed prerequisites:						
14.	Current Bulletin description:						
	Proposed Bulletin description:						
	The state of the s						
15.	What has prompted this change?						
16.	If there are to be significant changes in the content or teaching	ng objectives of	this course, indicate changes:				
10.	N/A	is colour of	**************************************	• •			
177	Please list any other department that could be affected by the	a proposed oben	ge'				
17.	N/A	e proposed chan	go.				
18.	Will changing this course change the degree requirements f	or ANY program	n on campus?	S 🗹 NO			
	If YES [‡] , list below the programs that require this course:						

18,	Is this course currently included in the University Str	tudies Program?	☑ No
19.	changed to graduate students by (i) req	0-level, you must include a syllabus showing differentiation for undergrade equiring additional assignments by the graduate students; and/or (ii) the grading criteria in the course for graduate students. (See SR 3.1.4)	uate and
20.	Within the department, who should be contacted for	r further information on the proposed course change?	
Nam	e: Janice Buss, Ph.D.	Phone: 859.323.0094 Email: jbuss2@email.uky.edu	
21.	Signatures to report approvals: August 22, 2008	Jimmi Hatton-Kolpek, PharmD Patrick McNamara, Ph.D.	
•	DATE of Approval by Department Faculty	printed name Reported by Department Chair	oture
	December 16, 2008	Kenneth Roberts, Ph.D.	
	DATE of Approval by College Faculty .	printed name Reported by College Dean sign	attne
	*DATE of Approval by Undergraduate Council	printed name Reported by Undergraduate Council Chair sign	ature
	*DATE of Approval by Graduate Council	printed name Reported by Graduate Council Chair sign	nature
		/	
	*DATE of Approval by Health Care Colleges Council (HCCC)	printed name Reported by Health Care Colleges Council Chair sign	rature
	*DATE of Approval by Senate Council	Reported by Office of the Senate Council	
	*DATE of Approval by the University Senate	Reported by the Office of the Senate Council	
*1	f applicable, as provided by the University Senate Rule	les.	
	Excerpt from University Senate Rules:	******	
	SR 3.3.0.G.2: Definition. A request may be oriteria:	considered a minor change if it meets one of the following	
	 b. editorial change in the 	thin the same hundred series; e course title or description which does not imply change in	
		ite(s) which does not imply change in content or emphasis, or sary by the elimination or significant alteration of the	
		nurse under conditions set forth in SR 3.3.0.E; phical errors.	

RECEIVED

1.	Submitted by the College o	f	Pharmacy			Date:	FEB 23 p
	Department/Division offer	ing course:	Pharmacy	/ Practice	and Science		OFFICE OF THE SENATE COUN
2.	What type of change is being 'See the description at the eof the college to the Chair of	nd of this fo	rm regarding	•	Minor dang	ge. Minor changes are sent di	irectly from the dean
	If the Senate Council chair of and an email notification wi		the contact	person.		to the appropriate Council fo	or normal processing
	Fill out	the " <i>Propos</i>	Please	complete <u>al</u>	D CHANGES "Current" fields, being changed, <u>Ente</u>	er N/A if not changing.	
		Circle the	number for	each item(s) being changed, For	r example: 6.)	
3.	Current prefix & number:	PHR 520	001		Proposed prefix	c & mumber: PPS 520 001	
4.	Current Title	Special	Topics in Pl	harmacy L	aw		
	Proposed Title [†]	N/A				•	
	† If title is longer than 24 ch	naracters, oj	fer a sensibl	e title of 24	characters or less:	Spec Topics Pharm Law	
5.	Current number of credit he	ours: 2		P	roposed number of c	eredit hours: N/A	
6.	Currently, is this course rep	eatable?	YES 🔲	NO 🗹	If YES, cu	errent maximum credit hours:	
	Proposed to be repeatable?	>	YES 🔲	NO 🗹	If YES, prop	oosed maximum credit hours:	
7.	Current grading system:	∠ Let	tter (A, B, C,	, etc.)	Pass/Fail		
	Proposed grading system:	☐ Lei	ter (A, B, C,	etc.)	Pass/Fail	I	
8.	Courses must be described	by at least o	one of the car	tegories bel	ow. Include number	of actual contact hours per w	veek for each category.
	Current: CLINICAL INDEPEND, STUDY SEMINAR	1 . 1	LOQUIUM PRACTIC	NU	DISCUSSION RECITATION Please explain:	LABORATORY	2 LECTURE RESIDENCY
	Proposed: CLINICAL INDEPEND. STUD	14	DLLOQUIUM PRACTIO	CUM	DISCUSSION RECITATION R – Please explain:	LABORATORY RESEARCH	LECTURE RESIDENCY
9.	Requested effective date (t	erm/year):		Fal	1 / 2009		
10.	Supplementary teaching co	_	N/A		Community-Based E	_	

11,	Cross-listing: N/A or		/	
	Current Prefix & Number	printed name	Current Cross-listing Department Chair	signature
	Durant DEMOVE surrout avera listing		,	
	a. Proposed – REMOVE current cross-listing:	printed name	Current Cross-listing Department Chair	signature
		,		
	b. Proposed – ADD cross-listing: Prefix & Number		/ Proposed Cross-listing Department Cha	air .
	Frejix & Number	printed name	Proposed Cross-using Department Cuc	TiP signature
12.	Current Distance Learning (DL) status:	proved for DL	☐ Please Add ☐ Please	Drop
	If PROPOSING, check one of the methods below that reflec	ts how the major.	ity of the course content will be delivered.	•
	Internet/Web-based Interactive		Extended Campus 🔲	
		_		
(13.)	Current prerequisites:			
	PHR 831			į
	Proposed prerequisites:			
				į
14.	Current Bulletin description:			
	Discussion of the legal framework and special legal issulaws to pharmacy, patent, and trademark issues relevant programs, professional liability and legislative issues such	it to pharmacy,	legal issues related to prescription dru	
	Proposed Bulletin description:			
	N/A			
15.	What has prompted this change?			
	The change is necessary by the elimination of the prere	quisite.		
16.	If there are to be significant changes in the content or teaching	ng objectives of t	his course, indicate changes:	
	N/A			
17	Diagon list any other denormant that and I have frated by the	nrangeed shares	۵۰	
17.	Please list any other department that <u>could</u> be affected by the	- brobosen engug	c.	
	N/A			
18.	Will changing this course change the degree requirements for If YES [‡] , list below the programs that require this course:	or ANY program	on campus?	YES 🗹 NO

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

18. Is the	is course currently i	ncluded in the University St	tudies Program?				es 🗹 No
19.	Check box if changed to 400G or 500.	If changed to 400G- or 500 graduate students by (i) recestablishment of different	quiring addition	al assignments b	by the grac	fuate students; and/or (ii)	ergraduate and the
20. With	in the department, v	who should be contacted for	further informa	tion on the prop	osed cour	se change?	
Name: Ja	nice Buss, Ph.D.		Phone: 859.	323.0094	Email:	jbuss2@email.uky.edu	
21. S	ignatures to report a	pprovals:				0.	
Dec	cember 12, 2008		Jimmi Hatto	n-Kolpek,Phar	mD A	de la Comit	
DAT	TE of Approval by I	Department Faculty	printed name	Repo	rted by D	epartment Chair	signature
	ember 16, 2008		Kenneth Ro		/	WHID. RObe	<i>b</i>
D	ATE of Approval b	y College Faculty	printed name	Re	ported by	College Dean	signature
*1	OATE of Approval t Counc		printed name	Reported b	y Underg	raduate Council Chair	signature
*D	ATE of Approval by	Graduate Council	printed name	Reporte	d by Grad	uate Council Chair	signature
<i>D.</i>	111 of Apple (a)			•			
***************************************	DATE of Approval Colleges Counc		printed name	Reported by I	Iealth Car	e Colleges Council Chair	signature
*1	OATE of Approval l	by Senate Council		Reported b	y Office o	of the Senate Council	
*	DATE of Approval Senat			Reported by	the Office	e of the Senate Council	
*If appli	cable, as provided b	y the <i>University Senate Rul</i>	les.				
			******	**			
	-	ersity Senate Rules:					
		efinition. A request may be teria:	considered a m	nor change if it	meets one	e of the following	
		a. change in number withb. editorial change in the	thin the same hu e course title or	ndred series; description whi	ch does no	ot imply change in	
		content or emphasis; c. a change in prerequis which is made necess	ite(s) which doesary by the elimi	s not imply cha nation or signif	nge in con icant alter	atent or emphasis, or ation of the	
		prerequisite(s); d. a cross-listing of a co e. correction of typogra		itions set forth i	in <i>SR 3.3.6</i>	O.E;	

RECEIVED

FEB 23 09

1.	Submitted by the College o	f	Pharmacy	Date:	**************************************
	Department/Division offer	ng course:	Pharmaceutical Science	ences	OFFICE OF THE SENATE COUNCIL
2.	What type of change is being *See the description at the e of the college to the Chair of	nd of this fo	orm regarding what cons	Minor* stitutes a minor change. Minor c	hanges are sent directly from the dean
	If the Senate Council chair and an email notification wi			he form will be sent to the appro	opriate Council for normal processing
	Fill out	the " <i>Propos</i>	Please complete al	D CHANGES I <u>l</u> "Current" fields. being changed. <u>Enter N/A if no</u>	t changing.
		Circle the	number for each item(s) being changed. For example: (6)
3.	Current prefix & number:	PHR 612	2 001	Proposed prefix & number.	PHS 612 001
4.	Current Title	Quantita	ative Pharmacodynam	lcs: Pharmacokinetics	_
	Proposed Title [†]	N/A		- Judishing Print Park Share	_
	[†] If title is longer than 24 cl	aracters, o	ffer a sensible title of 24	characters or less: Quant Pl	narmacodynamics: Pharmacokinetics
5.	Current number of credit he	ours: 3	<i>P</i>	roposed number of credit hours	. <u>N/A</u>
6.	Currently, is this course rep	eatable?	YES 🗖 NO 🗹	If YES, current maxim	num credit hours:
	Proposed to be repeatable:	•	YES 🗌 NO 🗹	If YES, proposed maxim	num credit hours:
7.	Current grading system;	☑ Le	tter (A, B, C, etc.)	Pass/Fail	
	Proposed grading system:	☐ Le	tter (A, B, C, etc.)	Pass/Fail	
8.	Courses must be described	by at least	one of the categories bel	ow. Include number of actual co	ontact hours per week for each category.
	Current: CLINICAL INDEPEND. STUDY SEMINAR	A	PRACTICUM	and the second s	SORATORY 3 LECTURE ESEARCH RESIDENCY
	Proposed: CLINICAL INDEPEND. STUD	- No. 10 Year	DLLOQUIUM PRACTICUM DIO OTHER	dan j	BORATORY LECTURE RESEARCH RESIDENCY
9.	Requested effective date (t	erm/year):	Fal	1 / 2009	
10.	Supplementary teaching co	mponent:	✓ N/A	Community-Based Experience	Service Learning Both
	Proposed supplementary to	_		Community-Rased Experience	

	APPLICATION FOR CHANGE I	N EXISTING C	OURSE: MAJOR and MINOR	1
11,	Cross-listing: N/A or PHA 612 001	Philip W. Lan	dfield, Ph.D. / Muly WO	andfeel
	Current Prefix & Numb	printed name	Current Cross-listing Department Chair	Lus gnature
	a. Proposed – REMOVE current cross-listing:		/	
	iii 1, operati iiiii ja	printed name	Current Cross-listing Department Chai	r signature
	b. Proposed – ADD cross-listing:	_	/	
	Prefix & Number	printed name	Proposed Cross-listing Department Ch	air signature
12.	Current Distance Learning (DL) status:	y approved for DL	☐ Please Add ☐ Please	Drop
	If PROPOSING, check one of the methods below that re	eflects how the major	rity of the course content will be delivered.	
	Internet/Web-based 🗌 Interact	ive Video 🔲	Extended Campus 🔲	
(13.)	Current prerequisites:			
	PHR 802 (or equivalent), MA 114 and consent of ins	structor		
	Proposed prerequisites:			
	MA 114 or consent of instructor			
14.	Current Bulletin description:			
	Quantitative treatment of dynamics of drug absorption	on, distribution, me	tabolism and excretion, including deve	lopment of
	both mathematical models and model-independent	approaches for des	scribing these processes.	
	Proposed Bulletin description:			
	N/A			
	To continue			
15.	What has prompted this change?			
	The change is necessary by the elimination of the pr	rerequisite.		
14	If there are to be significant changes in the content or tea	ashing objectives of		
16.	N/A	defining objectives of	uns course, indicate changes.	
	N			
17.	Please list any other department that <u>could</u> be affected b	y the proposed chan	ge:	
	N/A			
18.	Will changing this course change the degree requirement		n on campus?	YES 🗹 NO
	If YES [‡] , list below the programs that require this course.	:		

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

18.	Is this course currently included in the University	Studies Program?	es 🗹 No			
19.	Check box if changed to 400G- or 500-level, you must include a syllabus showing differentiation for undergoing 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	or further information on the proposed course change?				
Nam	e: Janice Buss, Ph.D.	Phone: 859.323.0094 Email: jbuss2@email.uky.edu				
21.	Signatures to report approvals:	(21, Ca)				
	August 22, 2008	Patrick McNamara, Ph.D. / AM Munic				
-	DATE of Approval by Department Faculty	printed name Reported by Department Chair	signature			
	December 16, 2008	Kenneth Roberts, Ph.D.	\mathcal{D}			
	DATE of Approval by College Faculty	printed name Reported by College Dean	signature			
	*DATE of Approval by Undergraduate Council	printed name Reported by Undergraduate Council Chair	signature			
	*Diggs of the College of	printed name Reported by Graduate Council Chair	signature			
	*DATE of Approval by Graduate Council	Reported by Graduate Council Chair	signature			
	*DATE of Approval by Health Care Colleges Council (HCCC)	printed name Reported by Health Care Colleges Council Chair	signature			
	*DATE of Approval by Senate Council	Reported by Office of the Senate Council	, 18.00			
	*DATE of Approval by the University Senate	Reported by the Office of the Senate Council				
*[f applicable, as provided by the <i>University Senate Ru</i>	ıles.				

	Excerpt from University Senate Rules:					
	SR 3.3.0.G.2: Definition. A request may be criteria:	e considered a minor change if it meets one of the following				
	b. editorial change in the	ithin the same hundred series; he course title or description which does not imply change in				
	which is made neces	hasis; requisite(s) which does not imply change in content or emphasis, or 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.					



1.	Submitted by the College of	f	Pharmacy			Date:		ren 23 jug
	Department/Division offer	ing course:	Pharmace	eutical S	Science	S		OFFICE OF THE SENATE COUNC
2.	What type of change is bein 'See the description at the e of the college to the Chair of	nd of this for	rm regarding	•	constitute	Minor* es a minor change. Minor c	hanges are sent directly	/ from the dean
	If the Senate Council chair and an email notification w	ill be sent to	the contact p I Please o	person. PROPO complet	SED Cl	orm will be sent to the appro HANGES arrenf' fields. g changed, <u>Enter N/A if no</u>		nal processing
		Circle the t	number for (each ite	m(s) bei	ng changed. For example: (D	
3.	Current prefix & number:	PHR 545	001			Proposed prefix & number:	PHS 545 001	
4.	Current Title	Sterile Pa	arenterals a	and De	vices			
	Proposed Title [†]	N/A						
	[†] If title is longer than 24 ch	aracters, off	er a sensibl	e title oj	f 24 chai	racters or less: Sterile Pa	arenterals	,
5.	Current number of credit h	ours: 2-3			Propo	sed number of credit hours.	. N/A	
6.	Currently, is this course rep	eatable?	YES 🔲	NO	\square	If YES, current maxin	num credit hours:	-
	Proposed to be repeatable:	,	YES 🗌	NO		If YES, proposed maxim	num credit hours:	
7.	Current grading system:	✓ Lett	ter (A, B, C,	etc.)		Pass/Fail		
	Proposed grading system:	Lett	er (A, B, C,	etc.)		☐ Pass/Fail		
8.	Courses must be described	by at least or	ne of the cat	egories	below.	Include number of actual co	ontact hours per week f	or each category.
	Current: CLINICAL INDEPEND. STUDY SEMINAR	da de	LOQUIUM PRACTIC	7		t canal growing	ORATORY 2 ESEARCH	LECTURE
	Proposed: CLINICAL INDEPEND. STUD SEMINAR	5	LLOQUIUM PRACTIO	CUM			BORATORY	_ LECTURE RESIDENCY
9.	Requested effective date (t	erm/year):			Fall / 2	009		
10.	Supplementary teaching co	_	N/A		_	nunity-Based Experience munity-Based Experience	☐ Service Learning ☐ Service Learning	Both Both

11,	Cross-listing: N/A or	/			
,	Current Prefix & Number	printed name Current	Cross-listing Department Chair	signature	
	a. Proposed—REMOVE current cross-listing:		/		
	a. Proposed – REMOVE current cross-usung:	printed name Curren	t Cross-listing Department Chair	signature	
	b. Proposed ADD cross-listing:		/		
	Prefix & Number	printed name Propos	ed Cross-listing Department Chair	signature	
12.	Current Distance Learning (DL) status: Already app	roved for DL	Please Add Please Dro	pp	
	If PROPOSING, check one of the methods below that reflec	s how the majority of the c	course content will be delivered.		
	Internet/Web-based Interactive	ideo 🔲	Extended Campus 🔲		
<u>13</u> ,	Current prerequisites:				
	PHR 846 and PHR 825 (or equivalent) and consent of ir	structor			
	Proposed prerequisites:				
	Consent of instructor				
14,	Current Bulletin description:				
14,	The course will describe the fundamental concepts, prin	ciples and techniques in	volved in the characterization, de	velopment,	
	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 prere	luisite.			
16.	If there are to be significant changes in the content or teaching	g objectives of this course	e, indicate changes:		
	N/A				
17.	Please list any other department that could be affected by the	proposed change:			
	N/A				
			0 🗀		
18.	Will changing this course change the degree requirements f If YES [‡] , list below the programs that require this course:	or ANY program on camp	us? YES	∠ NO	
	II 1 20, not below the programs that require and course.				
		0 () 0 ()			
	[‡] In order for the course change to be considered, program c	nange form(s) for the prog	rams above must also be submitted.		

18.	Is this course currently included in the University Stu	ndies Program?	Yes 🗹 No			
19.	changed to graduate students by (i) req	-level, you must include a syllabus showing differentiation for uiring additional assignments by the graduate students; and/orading criteria in the course for graduate students. (See SR 3	or (ii) the			
20.	Within the department, who should be contacted for	further information on the proposed course change?				
Nam	Janice Buss, Ph.D.	Phone: 859.323.0094 Email: jbuss2@email.uk	y.edu			
21.	Signatures to report approvals:	0.00				
	August 22, 2008	Patrick McNamara, Ph.D.				
-	DATE of Approval by Department Faculty	printed name Reported by Department Chair	20 Sigrature			
	December 16, 2008	Kenneth Roberts, Ph.D.	fell -			
•	DATE of Approval by College Faculty	printed name Reported by College Dean	signature			
•	*DATE of Approval by Undergraduate Council	printed name Reported by Undergraduate Council Cha	nir signature			
	*DATE of Approval by Graduate Council	printed name Reported by Graduate Council Chair	signature			
	*DATE of Approval by Health Care Colleges Council (HCCC)	printed name Reported by Health Care Colleges Council	Chair signature			
	*DATE of Approval by Senate Council	Reported by Office of the Senate Counc	il			
	*DATE of Approval by the University Senate	Reported by the Office of the Senate Cour	ocil			
*]	applicable, as provided by the University Senate Rule.	s.				

	Excerpt from University Senate Rules:					
	SR 3.3.0.G.2: Definition. A request may be c criteria:	onsidered a minor change if it meets one of the following				
	a. change in number within the same hundred series;b. editorial change in the course title or description which does not imply change in					
	which is made necessa	rerequisite(s) which does not imply change in content or emphasis, or enecessary 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.						