FEB Z 3 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.

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]

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

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

students and faculty within and external to the college. responsibility of the departments for these courses, and to further establish their identities as distinct departments within the College of Pharmacy, to both 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 The PS and PPS Departments are engaged in a systematic review of Pharmaceutical Sciences Graduate Program courses. One outcome of that initiative

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

Professional Courses

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

Overview of Proposed New Numbering

Minor Changes that are part of this current GROUPED request (see Table 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 courses for graduate students who have passed their qualifying exam will utilize PHS, or PPS, 700-level numbers Specialized courses such as Introduction to Pharmaceutical Sciences, Research, Rotations, Journal Clubs and Seminar, and the required Residency
- ယ 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)

'n 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)

- 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.
- removal (see Table). Also, remove the two Residency courses that no longer have any students who qualify. 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
- L PHR 530 Radiopharmaceutics
- PHR 622 Adv Biopharmaceutics (replaced by PHS 599 Drug Delivery)
- PHR 647 Intro to Molecular Pharmacotherapeutics
- d. PHR 649 Advanced Molecular Pharmacology
- PHR 768 2 semester Residency for Masters degree
- 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)

	17000		,	הוספונפוניו הפסיפוולץ - דיות הספירגנים	רחהייטי	8770/0/
A CANADA AND A CAN	Russ	Sad	0 1	Dissertation Positionary - DhD nost Dual	PH0767	8 225767
	mentor	Saa	1 5 10	Research (Masters or pre-Ougl PhD)	DHR700	8 DD8790
	mentor	Sdd	1 to 12	Special Problems	PHR780	S PPS780
		Sdd	1 to 4	Special Topics-Pharmacy Practice & Science	PHR760	§ PPS760-xxx
	Wermeling	Sdd	ω	Drug Development, Regulation & Clinical Research	PHR 764	PPS 764
	Hatton	PPS	ω	Ethical Issues in Clinical Research	PHR 665	PPS 665
					PS	CHANGES FOR PPS
		PS	1 to 12	2 sem Residency cr for Doctors degree	PHR 769	PHS 769
		PS	1 10 6	2 sem Residency cr for Masters degree	PHR 768	PHS 768
			2	Advanced Molecular Pharmacology	PHR 649	PHS 649
			ω	Introduction to Molecular Pharmacotherapeutics	PHR 647	PHS 647
			2	Advanced Biopharmaceutics	PHR 622	PHS 622
			ω	Radiopharmaceutics	PHR 530	PHS 530
The second secon	mentor	PS	1 to 12	Research (Masters or pre-Qual)	PHR 790	PHS 790
	mentor	PS	1 to 12	Special Problems	PHR 780	PHS 780
for all students after F05	Buss	PS	2	Dissertation Residency-PhD post-Qual	PHR 767	PHS 767
Retain; will slowly phase out	Buss	PS	0	0 cr PhD Research post- Qual	PHR 749	PHS 749
Retain; will slowly phase out	Buss	PS	0	0 cr MS Research	PHR 748	PHS 748
	Buss	PS	_	Seminar (Dept and Division)	PHR 778	PHS 778
***************************************	Buss	PS	4	Topics in Pharmaceutical Sciences	PHR 760- Sec #s vary	PHS 760-xxx
	Buss	PS	4	Rotation - CET Students	PHR 760- Sec #s vary	PHS 756
A CONTRACTOR OF THE PROPERTY O	Buss	PS	42	Rotation - Traditional Track students	PHR 760- Sec #s vary	PHS 755
	Black	Discov		Pharmacogenomics/genetics J Club	PHR 760- Sec #s vary	PHS 750 006
	Leggas	Develop		Transporter Journal Club	PHR 760- Sec #s vary	PHS 750 005
	<u></u>	Develop	1	Solid State Chem Journal Club	PHR 760- Sec #s vary	PHS 750 004
	Graf	Discov	_	Cardiovascular Journal Club	PHR 760- Sec #s vary	PHS 750 003
	Wedlund	Develop	_	PPDM Journal Club	PHR 760- Sec #s vary	PHS 750 002
change all Journal Clubs to 750	Nixon	Discov	_	Neuro Journal Club	PHR 760- Sec #s vary	PHS 750 001
	Buss	PS	2	Introduction to Pharmaceutical Sciences	PHR 760- Sec #s vary	PHS 700
change # to 665		Discov	2	Neurotoxicology	PHR 645	PHS 665
	Crooks	Discov	ω	Bioorganic Mechanisms	PHR 762	PHS 662
Change # to 660	Watt	Discov	з	Biosynthesis of Natural Products	PHR 620	*PHS 660
	Bummer	Develop	3	Equilibrium Phenomena in Pharmaceutical Systems	PHR 631	PHS 631
	Anderson	Develop	ω	Pharmaceutical Rate Processes	PHR 630	PHS 630
	Lodder	Develop	5	Modern Methods in Pharmaceutical Analysis	PHR 510	PHS 510
and the second s					#S	CHANGES FOR PHS
Comments	Coord'r	Dept/ Divison	Credit	Title	Old Prefix, Number	Prefix, Number
						Proposed New

*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 subm	nitted individually, as "min	Courses submitted individually, as "minor" changes, because of removal of prerequisites				
PHS 545	PHR 545	Sterile Parenterals and Devices	ယ	Develop	Deluca	Remove prered PHR 846,PHR 825
PHS 612	PHR 612	Quant Pharmacodynam:Pharmacokinet	ω	Develop	McNamara	Remove prered PHR 802
PPS 520	PHR 520	Special Topics in Pharmacy Law	2	Sdd	Fink	Prereq- remove PHR831;add 910

TABLE 2. INFORMATIONAL TABLE WITH ALL COURSES LISTED

TURNING TO STANCE	MYLALICIAN I ADEC					
Proposed New	Old Prefix, Number	Title	Credit	Dept	Coord'r	Comments
CHANGES FOR PHS	77					
PHS 510	PHR 510	Modern Methods Pharmaceut'l Analysis	(J)	Develop	Lodder	
#PHS 545	PHR 545	Sterile Parenterals and Devices	3	Develop	Deluca	Remove prered PHR 846,PHR 825
#PHS 612	PHR 612	Quant Pharmacodynam:Pharmacokinet	3	Develop	McNamara	Remove prered 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-XX	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	ယ	Discov	Watt	change to 660
PHS 760-Xxx	PHR 760- Sec #s vary	Drug Targets & Actions	ω	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	з	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	_	Develop	Wedlund	
PHS 750 003	PHR 760- Sec #s vary	Cardiovascular Journal Club	-	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	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	4	PS	Buss	
PHS 760-xxx	PHR 760- Sec #s vary	Advanced Pharmacology	4	Discov	Loftin	version of professional course, PHR 951, for grad students
PHO /60-XXX	THE /60- Sec #8 vary	ecn in Pharm Analysis	4	Develop	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
DUC 778	DUD 779	Sominar (Dort and Division)	٠ د	Develop	Anderson	populately of medicin statistics of the asset the attention of the second states of the secon
PHS 748	PHR 748	On MS Research		200	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	Sel	mentor	
PHS530	PHR 530	Radiopharmaceutics	ω			Will separately do MAJOR change to remove course
27/6 SH/4	P#R \$22	Adv Biopharmaceutics	2			Mill separately do MAJOR change to remove course
PHS 347	PHR 847	Intro to Molec Pharmacotherapeutics	3			Will separately do WAJOR change to remove course
PHS 649	PHR 946	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 WAJOR change to remove course
PHS 769	PHR 769	2 sem Residency or for Doctors deg	1 to 12	PS		Will separately do MAJOR change to remove course
CHANGES FOR PPS	1					
#PPS 520 .	PHR 520	Special Topics in Pharmacy Law	∾	Sdd	Fink	Prereg- remove PHR831;add 910
PPS 665	PHR 665	Ethical Issues in Clinical Research	ట	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	Sdd		
§ PPS780	PHR780	Special Problems	1 to 12	Sdd	mentor	
§ PPS790	PHR790	Research (Masters or pre-Qual PhD)	1 to 12	PPS	mentor	
§ PPS767	PHR767	Dissertation Residency - PhD post-Qual	2	PPS	Buss	

\$ PPS/87 | PHK/87 | 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)

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

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	N _o
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)				
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 same of th
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 number 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 STUDIO	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 coloured		• •
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 undergradequiring 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	Dature
	December 16, 2008	Kenneth Roberts, Ph.D.	
	DATE of Approval by College Faculty .	printed name Reported by College Dean sign	attire
	*DATE of Approval by Undergraduate Council	printed name Reported by Undergraduate Council Chair sign	tature
	*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	nature
	*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 criteria:	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 eary by the elimination or significant alteration of the	
		ourse 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-tisting 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 grad	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		- Judistanting Profession Comments	_
	[†] 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	4 ₁	PRACTICUM	and the second of the second o	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 a can can can can can can can can can c	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 Ur	iversity Studies Program?				
19.	Check box if changed to 400G- or 500-level, you must include a syllabus showing differentiation for undergraduate an 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 con	ntacted for 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:	200				
	August 22, 2008	Patrick McNamara, Ph.D. AM Mulicus				
•	DATE of Approval by Department Facul	y 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	printed name Reported by Undergraduate Council Chair signature				
		/				
	*DATE of Approval by Graduate Counc	l printed name Reported by Graduate Council Chair signature				
	*DATE of Approval by Health Care	printed name Reported by Health Care Colleges Council Chair signature				
	Colleges Council (HCCC)	Reported by Heatin Care Coneges Council Chair				
	*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				
*[f applicable, as provided by the <i>University S</i>	enate Rules.				

	Excerpt from University Senate Rule	s:				
	SR 3.3.0.G.2: Definition. A requestionic criteria;	st may be considered a minor change if it meets one of the following				
	b. editorial cha	umber within the same hundred series; unge 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;					
		f typographical errors.				



1.	Submitted by the College of	\mathbf{f}	Pharmacy			Date:		LEN X 3 Na
	Department/Division offer	ing course:	Pharmace	outical 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	•	onstitute	Minor* es a minor change. Minor cl	nanges are sent directly	from the dean
	If the Senate Council chair and an email notification with Fill out	ill be sent to	the contact p	person. PROPO complete	SED CI e <u>all</u> "Cı	orm will be sent to the appro HANGES arrent ^a fields, g changed, <u>Enter N/A if not</u>		nal processing
		Circle the	number for (each iter	n(s) bei	ng changed. For example: (D	
3.	Current prefix & number:	PHR 545	001		_	Proposed prefix & number:	PHS 545 001	
4.	Current Title	Current Title Sterile Parenterals and Devices						
	Proposed Title [†]	N/A					_	
	[†] If title is longer than 24 ch	iaracters, of	fer a sensibl	e title oj	f 24 chai	racters or less: Sterile Pa	arenterals	
5.	Current number of credit he	ours: 2-3			Propos	sed number of credit hours:	N/A	
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:	✓ Let	ter (A, B, C,	etc.)		Pass/Fail		
	Proposed grading system:	Lett	ter (A, B, C,	etc.)		☐ Pass/Fail		
8.	Courses must be described	by at least o	ne of the cat	egories	below. l	Include number of actual co	ntact hours per week fo	or each category.
	Current: CLINICAL INDEPEND. STUDY SEMINAR	* . *	LOQUIUM PRACTIC	UM		Maria da Ma Maria da Maria da Ma	ORATORY 2 ESEARCH	LECTURE
	Proposed: CLINICAL INDEPEND. STUD SEMINAR	· · · · · · · · · · · · · · · · · · ·	LLOQUIUM PRACTIO	CUM			BORATORY RESEARCH	_ LECTURE RESIDENCY
9.	Requested effective date (to	erm/year):			Fall / 2	009		
10.	Supplementary teaching co	_	✓ N/A		_	nunity-Based Experience	☐ Service Learning ☐ Service Learning	Both Both

11,	Cross-listing: N/A or	:-listing: N/A or /					
	Current Prefix & Number	printed name Cu	rrent Cross-listing Department Chair	signature			
	a. Proposed—REMOVE current cross-listing:		/				
	a. Proposed – REMOVE current cross-tisting:	printed name Cu	rrent Cross-listing Department Chair	signature			
	b. Proposed ADD cross-listing:		/				
	Prefix & Number	printed name Pre	pposed Cross-listing Department Chair	r signature			
12.	Current Distance Learning (DL) status: Already app	proved for DL	☐ Please Add ☐ Please D)rop			
	If PROPOSING, check one of the methods below that reflect	ts how the majority of	the course content will be delivered.				
	Internet/Web-based Interactive	Video 🔲	Extended Campus 🔲				
<u>13.</u>)	Current prerequisites:						
	PHR 846 and PHR 825 (or equivalent) and consent of ir	nstructor					
	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.						
	Donat I Della di La contrata con						
	Proposed Bulletin description: N/A						
15.	What has prompted this change? The change is necessary by the elimination of the prere	nuleite					
	The change is necessary by the eminication of the profe	quiano.					
16.	If there are to be significant changes in the content or teaching	ng objectives of this co	ourse, indicate changes:				
	N/A						
17.	Please list any other department that could be affected by the	e proposed change:					
	N/A						
18.	Will changing this course change the degree requirements f	or ANY program on c	ampus?	es 🗹 no			
	If YES [‡] , list below the programs that require this course:						
	[‡] In order for the course change to be considered, program c	hange form(s) for the	orograms above must also be submitted	d.			

18. Is this course currently included in the University Stu	idies Program?	Yes 🗹 No				
Check box if Ghanged to 400G- or 500- graduate students by (i) requestion 400G or 500.	l/or (ii) the					
20. Within the department, who should be contacted for	curther information on the proposed course change?					
Name: Janice Buss, Ph.D.	Phone: 859.323.0094 Email: jbuss2@email.u	ıky.edu				
21. Signatures to report approvals:	6.00	\				
August 22, 2008	Patrick McNamara, Ph.D.					
DATE of Approval by Department Faculty	printed name Reported by Department Chair	Do Signaturo				
December 16, 2008	Kenneth Roberts, Ph.D.	of ell				
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 Cl	hair signature				
*DATE of Approval by Graduate Council	printed name Reported by Graduate Council Chair	r signature				
*DATE of Approval by Health Care Colleges Council (HCCC)	printed name Reported by Health Care Colleges Counci	l Chair signature				
*DATE of Approval by Senate Council	Reported by Office of the Senate Coun	cil				
*DATE of Approval by the University Senate	Reported by the Office of the Senate Cou	meil				
*If 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 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.						