

Status: PENDING

PROGRAM REQUEST
Pharmacology - PHARMCO-MS

Last Updated: Myers, Dena Elizabeth
01/03/2011

Fiscal Unit/Academic Org	Pharmacology - D2560
Administering College/Academic Group	The College of Medicine
Co-administering College/Academic Group	
Semester Conversion Designation	Converted with minimal changes to program goals and/or curricular requirements (e.g., sub-plan/specialization name changes, changes in electives and/or prerequisites, minimal changes in overall structure of program, minimal or no changes in program goals or content)
Current Program/Plan Name	Pharmacology
Proposed Program/Plan Name	Pharmacology - PHARMCO-MS
Program/Plan Code Abbreviation	PHARMCO-MS
Current Degree Title	Master of Science

Credit Hour Explanation

Program credit hour requirements		A) Number of credit hours in current program (Quarter credit hours)	B) Calculated result for 2/3rds of current (Semester credit hours)	C) Number of credit hours required for proposed program (Semester credit hours)	D) Change in credit hours
Total minimum credit hours required for completion of program		45	30.0	30	0.0
Required credit hours offered by the unit	Minimum	26	17.3	21	3.7
	Maximum				
Required credit hours offered outside of the unit	Minimum	19	12.7	9	3.7
	Maximum				
Required prerequisite credit hours not included above	Minimum	0	0.0		
	Maximum				

Program Learning Goals

Note: these are required for all undergraduate degree programs and majors now, and will be required for all graduate and professional degree programs in 2012. Nonetheless, all programs are encouraged to complete these now.

Program Learning Goals •

Assessment

Assessment plan includes student learning goals, how those goals are evaluated, and how the information collected is used to improve student learning. An assessment plan is required for undergraduate majors and degrees. Graduate and professional degree programs are encouraged to complete this now, but will not be required to do so until 2012.

Is this a degree program (undergraduate, graduate, or professional) or major proposal? Yes

Does the degree program or major have an assessment plan on file with the university Office of Academic Affairs? No

Program Specializations/Sub-Plans

If you do not specify a program specialization/sub-plan it will be assumed you are submitting this program for all program specializations/sub-plans.

Pre-Major

Does this Program have a Pre-Major? No

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Attachments

- ApseloffQ2SItrr.pdf
(Program Rationale Statement. Owner: Rotter,Andrej)
- Transition plan for Master's degree in clinical trials.doc
(Transition Policy. Owner: Rotter,Andrej)
- Chair stmnt.docx
(Letter from Program-offering Unit. Owner: Rotter,Andrej)
- %COM Semester Conversion Letter 12 10 10.pdf: COM Letter
(Letter from the College to OAA. Owner: Lucey,Catherine Reinis)

Comments

- OAA returned for revisions 12/16/10 per the request of Associate Dean Deborah Larsen (attachments need to be added). *(by Soave,Melissa A on 12/16/2010 10:22 AM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Rotter,Andrej	09/16/2010 01:07 PM	Submitted for Approval
Approved	Rotter,Andrej	09/16/2010 01:08 PM	Unit Approval
Approved	Lucey,Catherine Reinis	09/22/2010 06:22 PM	College Approval
Approved	Myers,Dena Elizabeth	11/12/2010 10:45 AM	GradSchool Approval
Revision Requested	Soave,Melissa A	12/16/2010 10:22 AM	CAA Approval
Submitted	Rotter,Andrej	12/29/2010 10:11 AM	Submitted for Approval
Approved	Rotter,Andrej	12/29/2010 10:27 AM	Unit Approval
Approved	Lucey,Catherine Reinis	01/03/2011 03:21 PM	College Approval
Approved	Myers,Dena Elizabeth	01/03/2011 03:24 PM	GradSchool Approval
Pending Approval	Soave,Melissa A	01/03/2011 03:24 PM	CAA Approval



Office of the Dean
College of Medicine

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December 10, 2010

Randy Smith, PhD
Vice Provost, Curriculum & Institutional Relations
Office of Academic Affairs
203 Bricker Hall
CAMPUS

Dear Dr. Smith:

The College of Medicine submits for approval the following programs for semester conversion:

Baccalaureate Programs (School of Allied Medical Professions):

- 1) Athletic Training
- 2) Biomedical Sciences
- 3) Health Information and Management Systems
- 4) Health Sciences
- 5) Medical Dietetics
- 6) Medical Technology
- 7) Radiologic Sciences and Therapy with subprograms in Radiation Therapy, Radiography and Sonography
- 8) Respiratory Therapy

Minors:

- 1) Integrated Determinants of Health (School of Allied Medical Professions)
- 2) Anatomy (School of Biomedical Sciences, Dept. of Biomedical Informatics)

Masters Degree Programs:

- 1) Masters of Occupational Therapy (School of Allied Medical Professions)
- 2) MS in Allied Medical Professions (School of Allied Medical Professions)
- 3) MS in Anatomy (School of Biomedical Sciences, Department of Biomedical Informatics)
- 4) MS in Medical Sciences (College of Medicine)
- 5) MS in Pathology (School of Biomedical Sciences, Dept of Pathology)
- 6) MS in Pharmacology (School of Biomedical Sciences, Dept. of Pharmacology)

Doctoral Degree Programs:

- 1) Doctor of Physical Therapy [DPT] (School of Allied Medical Professions)
- 2) Doctor of Medicine [MD] (College of Medicine)

- 3) PhD in Health and Rehabilitation Sciences (School of Allied Medical Professions)
- 4) PhD in Integrated Biomedical Sciences [IBGP] (School of Biomedical Sciences)
- 5) PhD in Anatomy (School of Biomedical Sciences, Dept. of Biomedical Informatics)

Each program proposal has been carefully developed with considerable curricular review and appropriate unit approval; letters delineating the process and approval accompany each template. At the College level, all proposals have been reviewed and approved through the College's Curriculum Review process. Accordingly, each program has developed a transition plan that will allow students that maintain good academic standing to complete their respective program without delay due to the semester conversion. These transition plans are included with each program template. The course templates for all courses have also been submitted for approval. Please contact me or Deborah S. Larsen, our semester conversion coordinator, with any questions; specific questions regarding individual templates may be directed through Dr. Larsen to the appropriate contact person. Contact information is as follows:

Catherine R. Lucey, MD, FACP
Phone: 688-3104
e-mail: Catherine.lucey@osumc.edu

Deborah S. Larsen, PhD
Phone: 292-5645
e-mail: Deborah.larsen@osumc.edu

Thank you for the review of these materials.

Sincerely,



Catherine R. Lucey, MD, FACP
Interim Dean and Vice Dean of Education
The Ohio State College of Medicine



January 25, 2011

Catherine R. Lucey, MD
Interim Dean and Vice Dean for Education
College of Medicine
260 Meiling Hall
CAMPUS

Dear Dr. Lucey:

On behalf of the School of Allied Medical Professions, I am pleased to submit the semester conversion plans for the following programs:

Certificates:

- 1) Health Information Management and Systems
- 2) Medical Technology – proposed name change to Medical Laboratory Sciences
- 3) Respiratory Therapy

Baccalaureate (BS in Allied Health)

- 1) Athletic Training – degree change to BS in Athletic Training
- 2) Biomedical Sciences
- 3) Health Information Management and Systems
- 4) Health Sciences
- 5) Medical Dietetics
- 6) Medical Technology – proposed name change to Medical Laboratory Sciences
- 7) Radiation Therapy
- 8) Radiography
- 9) Respiratory Therapy

Graduate

- 1) Masters of Occupational Therapy (MOT)
- 2) Masters of Science in Allied Medical Professions (MS)
- 3) Doctor of Physical Therapy (DPT)
- 4) Doctor of Philosophy in Health and Rehabilitation Sciences (PhD)

Minor:

- 1) Integrated Determinants of Health

The conversion of each of these programs was initiated through two School-wide retreats, comprehensive curriculum mapping, conducted by our Executive Committee, and multiple working groups within and between programs. Each curriculum was reviewed and revised consistent with current healthcare practice and, for many, their accreditation criteria. For the undergraduate programs, working groups revised and amended our elective core courses; it was recommended that each program enroll students in the core courses rather than teach individual unit courses, which was done by all programs, consistent with content needs. Our entry-level graduate programs (Occupational Therapy and Physical Therapy), also developed a core evidence-based practice sequence to encourage collaborative problem-solving among students in those two programs. One course, AM 5000 "Strategies for Interprofessional Case Management", is a new elective course that will provide interdisciplinary case management exposure to students from all of the programs in the School; due to the high number of credits within each curriculum, this course is recommended but not required. Each curriculum was approved by the faculty within the respective program and by the School's curriculum committee on the following dates:

- 1) Respiratory Therapy – approved 7/14/2010
- 2) Medical Technology – approved 8/5/2010
- 3) Medical Dietetics – approved 8/11/2010
- 4) Radiologic Sciences & Therapy – approved 8/11/2010
- 5) Occupational Therapy – approved 8/11/2010
- 6) Biomedical Sciences – approved 8/18/2010
- 7) Physical Therapy – approved 8/19/2010
- 8) Athletic Training – approved 9/15/2010
- 9) MS in Allied Medicine – approved 9/15/2010
- 10) PhD in Health and Rehabilitation Sciences – approved 9/15/2010
- 11) Health Information Management and Systems – approved 9/22/2010

In reviewing the clinical experiences of students in each program, it was noted that there was no standard credit hour allocation for the full or part-time clinical experiences. Our Executive Committee voted unanimously to impose a consistent credit hour allocation, based on the following formula: Full-time (40hr/week, 14 weeks) = 12 credits for undergraduate and 8 for graduate programs; 20 hr/week = 6 credits for undergraduate, 4 for graduate; 10 hr/wk = 3 credits for undergraduate and 2 for graduate; and so on. Some programs have implemented 7 week clinical experiences that follow the same proportional allocation (i.e. 7 week, full time = 6 credits). This change often distorted the 2/3 conversion formula, since historically clinical experiences were under- credited; however, all programs were converted with minimal changes and have indicated such within their program templates.

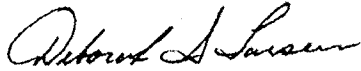
In concert with the semester conversion, there are two program specific requests:

- 1) The Athletic Training program is requesting to change the degree awarded from Allied Health to Athletic Training to meet accreditation requirements;
- 2) The Medical Technology program is requesting to change the name of their program to Medical Laboratory Science, which is consistent with their licensure and accreditation recommendations.

These changes have been approved by the School's Executive Committee by unanimous vote on 12-7-10 and the Faculty Council on 1-21-11.

If you should have any questions or concerns, please feel free to contact me directly.

Sincerely,



Deborah S. Larsen, PhD
Director, School of Allied Medical Professions
Associate Dean, College of Medicine
614-292-5645
deborah.larsen@osumc.edu



Director
Division of Clinical Pharmacology
Department of Pharmacology
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December 3, 2010

Dr. Catherine R. Lucey
Interim Dean, College of Medicine
268 Meiling Hall
370 W. 9th Avenue
The Ohio State University

Dear Dr. Lucey:

I am writing this letter to explain the rationale for the modifications made in the coursework for the change from quarters to semesters for Master's students in our Clinical Pharmacology program. The program is being transitioned with minimal changes to its goals and curricular requirements. The approval process for the conversion will require a majority vote from the Graduate Studies Committee in our Pharmacology Department. That committee will consist of Dr. Andrej Rotter, Dr. David Groen, myself, and possibly Dr. Gopi Tejwani.

The most important courses in our program are Pharmacology 825 and 826, and those were expanded to include additional pertinent information on the Code of Federal Regulations, changing requirements for clinical trials, flawed designs of clinical trials, and more details on a variety of aspects of the conduct of drug/device studies. In addition, students will have more written assignments and will spend more time in our clinical pharmacology unit (a 39-bed facility) assisting in the conduct of clinical trials.

Other courses required for the Master's program are offered by other departments and the pharmacy school, and we do not have control over how they have been modified or when they are being offered. However, based on the information we were provided, we selected (as requirements) core courses necessary for a comprehensive understanding of clinical pharmacology. These courses, including biostatistics and pharmacokinetics, are currently required for our Master's program and are being modified by the other departments appropriately for the conversion from quarters to semesters.

If you require any further information regarding this matter, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Glen Apseloff'.

Glen Apseloff, M.D.

Quarter to Semester Transition for Master's Degree in Pharmacology with training in Clinical Pharmacology/Clinical Trial design (all courses are required/core).

Current (by Quarter) courses and credit hours:

Autumn

Course	Title	Credits
Pharmacology 600 (D)	General Pharmacology	3
Public Health: Biostatistics 701	Design and Analysis of Studies in Health Sciences I	4
Pharmacy 731	Clinical Pharmacokinetics I	4

Winter

Course	Title	Credits
Pharmacy 622	Drug Delivery 2	3
Pharmacology 725	Pharmacogenomics	3
Pharmacy 732	Clinical Pharmacokinetics II	4
Pharmacology 825	Clinical Trials I	10

Spring

Course	Title	Credits
Public Health: Biostatistics 702	Design and Analysis of Studies in Health Sciences II	4
Pharmacology 826	Clinical Trials II	10

Future (by Semester) courses and credit hours:

Autumn

Course	Title	Credits
Pharmacology 5600*	General Pharmacology	2
Public Health: Biostatistics 6210*	Design and Analysis of Studies in Health Sciences I	3
Pharmacy 7310*	Clinical Pharmacokinetics	3
Pharmacology 8250*	Clinical Trials I	7

Spring

Course	Title	Credits
Public Health: Biostatistics 6211*	Design and Analysis of Studies in Health Sciences II	3
Pharmacy 6220	Drug Delivery 2	3
Pharmacology 7250	Pharmacogenomics	2
Pharmacy 7320*	Clinical Pharmacokinetics II	3
Pharmacology 8260*	Clinical Trials II	7

Rationale

The program is being transitioned with minimal changes to its goals and curricular requirements and was approved by a majority vote of the Graduate Studies Committee in the Pharmacology Department, consisting of Drs. Andrej Rotter, David Groen, Glen Apseloff, and Gopi Tejwani. The most important course in our program are Pharmacology 825 and 826, and those were expanded to include additional pertinent information on the Code of Federal Regulations, changing requirements for clinical trials, flawed designs of clinical trials, and more details on

a variety of aspects of the conduct of drug/device studies. In addition, students will have more written assignments and will spend more time in our clinical pharmacology unit (a 39-bed facility), assisting in the conduct of clinical trials.

Other courses required for the Master's program are offered by other departments and the pharmacy school; however, based on the information provided, we selected (as requirements) core courses necessary for a comprehensive understanding of clinical pharmacology. These courses, including biostatistics and pharmacokinetics, are currently required for our Master's program and are being modified by the other departments appropriately for the conversion from quarters to semesters.

Transition plan for Master's degree in Clinical Pharmacology/Clinical Trials

The transition to semesters will not affect any students because our program runs from September until June. Therefore, no students will be switching from quarters to semesters midstream. Students will be advised of the change to semesters during the interview process.

Statement by David Groen, MD, Co-Director, Clinical Trials Program

Transition plan for Master's degree in Clinical Trials

The transition to semesters will not affect any students because our program runs from September until June. Therefore, no students will be switching from quarters to semesters midstream. Students will be advised of the change to semesters during the interview process.