FORM A  
College of Pharmacy

Revised 05/08/2009

PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Pharmacotherapeutics Course Modifications

Initiating Unit or Individual: Pharmacy Practice Department
Contact Person's Name: Heather VandenBussche  e-mail: vandenbh@bronsonhg.org phone: 269-341-7805

Date or Term of Proposal Implementation: Fall 2011
☐ Group I - A-New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
☐ Group I - B-New minors or concentrations
☒ Group II - A-Minor curriculum clean-up and course changes
☐ Group II - B-New Course
☐ Group III - Certificates
☐ Group IV-Off-Campus Programs

<table>
<thead>
<tr>
<th>Group/Individual</th>
<th>Signature</th>
<th>Date</th>
<th>Vote/Action *</th>
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<td>[Signature]</td>
<td>5/2/11</td>
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* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

To be completed by Academic Affairs

President (Date Approved)  Board of Trustees (Date Approved)  President’s Council (Date Approved)

VPAA  
MAY 17 2011  
PROVOST
1. Proposal Summary
   (Summary is generally less than one page. Briefly: state what is proposed with a summary of rationale and highlights. Additional rationale may be attached.)
   Proposed changes to the Pharmacotherapeutics course sequence include modifications to time allocations for topics in each course to fit with course structure and schedule, moving topics between different courses to fit with course structure and schedule, and addition of one credit hour to PHAR 513 to reflect course structure and topic/time allocation within the schedule.

2. Summary of All Course Action Required*
   a. Newly Created Courses to FSU:
      Prefix    Number    Title
   
   b. Courses to be Deleted From FSU Catalog:
      Prefix    Number    Title
      PHAR    586    Practice Skills Lab 6
   
   c. Existing Course(s) to be Modified:
      Prefix    Number    Title
      PHAR    513    Pharmacotherapeutics 3
   
   d. Addition of existing FSU courses to program
      Prefix    Number    Title
   
   e. Removal of existing FSU courses from program
      Prefix    Number    Title
3. Summary of All Consultations

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<th>Date Sent</th>
<th>Responding Dept.</th>
<th>Date Received &amp; by Whom</th>
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4. Will External Accreditation be Sought? (For new programs or certificates only)

___________ Yes   _____x_____ No

If yes, name the organization involved with accreditation for this program.

5. Program Checksheets affected by this proposal.

Attached are the current program checksheet for the 2009 curriculum and the proposed program checksheet for the 2009 curriculum.
FLITE SERVICES CONSULTATION FORM

To be completed by the liaison librarian and approved by the Dean of FLITE. All returned forms should be included in the proposal. FLITE must respond within 20 calendar days of receipt of this form to insure that the form is included in the final proposal.

FAILURE TO RESPOND IS CONSIDERED AS SUPPORT OF THE CHANGE.

RE: Proposal Title: Pharmacotherapeutics Course Modifications

Projected number of students per year affected by proposed change: 150

Initiator(s): Pharmacy Practice Department, College of Pharmacy

Proposal Contact: Heather VandenBussche Date Sent: 2/23/11

Department: Pharmacy Practice Campus Address: 601 John Street, box 56, Kalamazoo, MI 49008

(Please print)

Liaison Librarian Signature: Alannah Kerrigan Date: 3-1-2011

Dean of FLITE Signature: [Signature] Date Returned: 3-1-11

Based upon our review on 3-1-2011 (date), FLITE concludes that:

☑ Library resources to support the proposed curriculum change are currently available.

☐ Additional Library resources are needed but can be obtained from current funds.

☐ Support, but significant additional Library funds/resources are required in the amount of $______________.

☐ Does not support the proposal for reasons listed below.

Comment regarding the impact this proposal will have on library resources, collection development, programs, etc. Use additional pages if necessary.

This proposal will not impact library resources or programs. The proposal includes minor topic and time allocation changes in the Pharmacotherapeutics course sequence.
NEW COURSE INFORMATION FORM
See Sample – Limit to Two Pages Please

Course Identification:
Prefix: PHAR  Number: 513  Title: Pharmacotherapeutics 3

Course Description:
This course will consist of extensive discussion of pharmacotherapeutic principles in the treatment of disease. Emphasis will be placed on development of a clinical understanding of the disease process, the role of pharmacological intervention in the patient-specific and/or population-based disease management plan, and the development of an appropriate therapeutic regimen.

Course Objectives:
1. Relate the pathophysiologic basis of disease processes to the prescription and non-prescription agents utilized in the management of these disease states.
2. Outline pharmacologic similarities and differences for inter- and intra-class medication selection and prioritize the differences based on the specific patient.
3. Relate the biologic and pharmaceutical sciences to a patient-specific and/or population-based disease management plan.
4. Describe and apply appropriate pharmacokinetic principles and parameters in the design of a pharmacotherapeutic regimen.
5. Develop an evidence-based pharmacotherapeutic plan for the treatment and monitoring of the disease states discussed in the course.
6. Interpret and apply patient-specific data and account for co-morbidities when designing pharmacotherapeutic regimens.
7. Identify and interpret appropriate laboratory parameters for monitoring and assessing the efficacy and toxicity of a pharmacotherapeutic regimen.
8. Identify drug-related points that should be discussed with patients during counseling sessions.
9. Design a prevention or detection program in conjunction with pharmacotherapeutic regimens.

Assessment Plan:
Examinations (there will be frequent exams in this course covering material in a modular format)

Course Outline including Time Allocation:

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<td>Aging</td>
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<td>Gastrointestinal</td>
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<tr>
<td>Psychiatry</td>
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<td>Toxicology</td>
<td>7</td>
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<td>Total (not including final exam)</td>
<td>60</td>
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MODIFY COURSE
Course Data Entry Form

FORM F

I. ACTION TO BE TAKEN: MODIFY AN EXISTING COURSE

   Notes:
   1. Complete all parts of Sections I and II; complete only those items in Section III that represent changes.
   2. If either prefix or number is being changed, use 'Delete Course' and 'Create New Course' forms rather than this form.

   a. List the changes to be made (See Proposed Changes a through p below): c.h.i

   b. Term Effective (6 digit code only): 201201 Examples: 200801(Spring), 200805(Summer), 200808(Fall)
   Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. CURRENT: Include information that is in the current course database.

   a. Course Prefix: PHAR
   b. Number: 513
   c. Enter Contact Hours per week in boxes.
      LEcure 3 LAB     INDependent Study – Check (x) □
      Practicum:       Seminar: □

   d. Course Title: Pharmacotherapeutics 3

III. PROPOSED CHANGES: Complete only those boxes that represent proposed changes identified in
     Section I. Leave all other spaces blank.

   a. Course Prefix
   b. Number
   c. Enter Contact Hours per week in boxes.
      LEcure 4 LAB     INDependent Study – Check (x) □
      Practicum:       Seminar: □

   d. Course Title: (Limit to 30 characters/spaces.)

   e. College Code:  
   f. Department Code: 

   Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

   g. Type: □ Variable □ Fixed  h. Maximum Credit Hours □ i. Minimum Credit Hours □

   j. May Be Repeated for Added Credit: Check (x) □ Yes    □ No

   k. Levels: Check (x) □ Undergraduate □ Graduate □ Professional

   l. Grade Method: Check (x) □ Normal Grading □ Credit/No Credit only (Pass/Fail)

   m. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.

   n. Term(s) Offered: (See instructions for listing.)  o. Max. Section Enrollment: 

   p. Prerequisites/Co-requisites/Restrictions: Limited to 100 spaces.

UCC Chair Signature/Date:  

Academic Affairs/Approval Signature/Date:  

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
□ Basic Skill (BS) □ General Education (GE) □ Occupational Education (OC) □ G.E. Codes

Office of the Registrar use ONLY

Date Rec’d: ___ Date Completed: ___ Entered: SCACRSE __ SCADTL __ SCARRES __ SCAPREQ ___
DELETE COURSE
Course Data Entry Form

I. ACTION TO BE TAKEN: DELETE COURSE FROM CATALOG.

Note: Complete each section.

The course described below will be moved to inactive status.

a. Term Effective: Term Summer Year 2011 See instructions.

II. CURRENT COURSE TO BE DELETED FROM THE ACTIVE STATUS:

Include the information that is in the current course database.

a. Course Prefix PHAR
b. Number 586
c. Enter Contact Hours per week in boxes. LECTure LAB 3 INDependent Study – Check (x) □
Practicum: □ Seminar: □
d. Full Course Title: Practice Skills Lab 6

UGC Chair Signature/Date: 
Academic Affairs Approval Signature/Date: 1/18/12

Office of the Registrar use ONLY
Date Rec’d: ____ Date Completed: ____ Entered: SCACRSE SCADETL SCARRES SCAPREQ
## Ferris State University College of Pharmacy
### Doctor of Pharmacy Curriculum

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<td>PHAR 540: Drug Lit Evaluation/Research Methods</td>
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**Semester GPA: 16**

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**Semester GPA: 14.5**

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**Semester GPA: 15.5**

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**Cumulative GPA**

**Total Hours for Graduation: 138**

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*This course will be 4-credits until the microbiology pre-pharm changes take effect for students entering this sequence.*

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Began Program: 
Graduation Date: 
Honors Received:

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Ferris State University College of Pharmacy

Doctor of Pharmacy Curriculum

Electives:
PHAR 451: Institutional Pharmacy
PHAR 453: Topics in Nutritional Biochemistry
PHAR 450: Introduction to Public Health
PHAR 455: Current Controversies in Health Care
PHAR 457: Introduction to Pharmacy Law & Ethics
PHAR 463: Botanical Supplements and Alternative Therapies
PHAR 464: Natural Product Toxins
PHAR 466: Research Elective in Medicinal Chemistry
PHAR 468: Selected Topics in Medicinal Chemistry
PHAR 470: Pharmacy and Geriatric Health
PHAR 551: Managed Care Pharmacy Practice
PHAR 552: Advanced Topics in Infectious Diseases
PHAR 553: Palliative Care
PHAR 554: Complementary and Alternative Medicine for the Clinical
PHAR 556: Application of Patient-Focused Care in Community Pharmacy
PHAR 558: Medical Research: Methods and Design
PHAR 559: Interdisciplinary Community Practicum
PHAR 560: Advance Cardiac Life Support
PHAR 563: Special Populations: Pediatrics and Geriatrics

Electives – Advance Pharmacy Practice Experiences:
PHAR 617: Hospital Pharmacy Admin APPE
PHAR 618: Managed Care APPE
PHAR 626: Veterinary Medicine APPE
PHAR 628: Nuclear Pharmacy APPE
PHAR 650: Special Topics in Inpatient Medicine APPE
PHAR 655: Special Topics in Ambulatory Care APPE
PHAR 666: International Pharmacy APPE
PHAR 662: Pharmaceutical Industry APPE
PHAR 661: Corporate Pharmacy APPE
PHAR 663: Health System Pharmacy APPE

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Ferris State University College of Pharmacy
Doctor of Pharmacy Curriculum

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| Semester GPA | 16 |

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| Semester GPA | 17 |

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<th>Electives: Must be completed prior to 4th year.</th>
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| Semester GPA | 15.5 |

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<th>APPE Elective – PHAR ________</th>
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<td>PHAR 413: Drug Action 3</td>
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<td>APPE Elective – PHAR ________</td>
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<tr>
<td>PHAR 414: Drug Action 4</td>
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<td>PHAR 486: Practice Skills Lab 4</td>
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<td>APPE Elective – PHAR ________</td>
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<tr>
<td>PHAR 422: Infectious Disease 2</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>PHAR 425: Pharm Practice Mgmt 1</td>
<td>3</td>
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<td></td>
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<tr>
<td>PHAR 491: Longitudinal Patient 1 IPPE</td>
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</table>

| (37 Hours Total) 1st Semester GPA     |     |       | Cumulative GPA                |     |       |
| Semester GPA                           | 15.5|       | 2nd Semester GPA              |     |       |

<table>
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<th>Professional Year 2 – Summer Semester</th>
<th>Cr</th>
<th>Grade</th>
<th>Total Hours for Graduation</th>
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<td>PHAR 493: Institutional IPPE</td>
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</table>

Began Program: __________
Graduation Date: __________
Honors Received:

*This course will be 4-credits until the microbiology pre-pharm changes take effect for students entering this sequence.

Updated 11/29/2010
Ferris State University College of Pharmacy

Doctor of Pharmacy Curriculum

Electives:
PHAR 451: Institutional Pharmacy
PHAR 453: Topics in Nutritional Biochemistry
PHAR 450: Introduction to Public Health
PHAR 455: Current Controversies in Health Care
PHAR 457: Introduction to Pharmacy Law & Ethics
PHAR 463: Botanical Supplements and Alternative Therapies
PHAR 464: Natural Product Toxins
PHAR 466: Research Elective in Medicinal Chemistry
PHAR 468: Selected Topics in Medicinal Chemistry
PHAR 470: Pharmacy and Geriatric Health
PHAR 551: Managed Care Pharmacy Practice
PHAR 552: Advanced Topics in Infectious Diseases
PHAR 553: Palliative Care
PHAR 554: Complementary and Alternative Medicine for the Clinical
PHAR 556: Application of Patient-Focused Care in Community Pharmacy
PHAR 558: Medical Research: Methods and Design
PHAR 559: Interdisciplinary Community Practicum
PHAR 560: Advance Cardiac Life Support
PHAR 563: Special Populations: Pediatrics and Geriatrics

Electives – Advance Pharmacy Practice Experiences:
PHAR 617: Hospital Pharmacy Admin APPE
PHAR 618: Managed Care APPE
PHAR 626: Veterinary Medicine APPE
PHAR 628: Nuclear Pharmacy APPE
PHAR 650: Special Topics in Inpatient Medicine APPE
PHAR 655: Special Topics in Ambulatory Care APPE
PHAR 666: International Pharmacy APPE
PHAR 662: Pharmaceutical Industry APPE
PHAR 661: Corporate Pharmacy APPE
PHAR 663: Health System Pharmacy APPE

Updated 11/29/2010
CURRICULUM CONSULTATION FORM

For proposals affecting graduate and professional curricula

1. This completed form should be forwarded with the proposal to the chair of the University Graduate and Professional Council.

2. The University Graduate and Professional Council must respond within 20 calendar days of receipt of this form to insure inclusion in the final proposal. The completed form is returned to the initiator and inserted into the proposal.

   Failure to respond is interpreted as support for the proposal.

3. The Proposing Department must respond to any concerns by the Council. This response will be in writing and be included in the proposal following the consultation form.

RE: Proposal Title  Pharmacotherapeutics Course Modifications

Initiator(s): Pharmacy Practice Department, College of Pharmacy
Proposal Contact: Heather VandenBussche Date Sent: 2/23/11
Department: Pharmacy Practice Campus Address: 601 John Street, box 56, Kalamazoo, MI 49008
(Please print)

Response from: Graduate and Professional Council
Chair: ______ Date Returned: ______

Based upon Graduate and Professional Council review on _____(date), we

☐ Support the above proposal.
☐ Support the above proposal with the modifications and concerns listed below.
☐ Do not support the proposal for the reasons listed below.

Comment regarding the impact this proposal has on graduate and professional program issues at the university. Use additional pages, if necessary.

This proposal will not impact graduate or professional programs at the university. The proposal includes minor topic and time allocation changes in the Pharmacotherapeutics course sequence.
It looks like Heather has done a great deal of work on this proposal. I still don't think she still realizes that the Form B and Form C need to be sent to the right departments, as she's typed the explanatory information at the bottom of them both.

I can just print off the Form C and get it to Ali here at FLITE, so that will help the process move along. I'm not sure what to do about the Form B.

Kristy Motz
Library Instruction Coordinator
140H FLITE
231-591-3625
motzk@ferris.edu
Heather and Craig

The UCC met yesterday and discussed your recent curriculum proposals. Because each of the proposals share similar issues which need yet to be addressed, I am sending this email to the two of you.
1) While a Form C has been received in FLITE for the Medical Research proposal, one for the Pharmacotherapeutics course has not.
2) Because each of the proposals involve graduate programs, a Form B will need to be submitted to the UGPC. I believe Nancy Hogan is the Chair.
3) There appears to be inconsistency between stated outcomes and the assessment plan. Please revise the assessment plan for each proposal in a way that more clearly connects to stated outcomes.
4) The summary of each proposal (see Form A) is too brief. Please provide a more detailed explanation of exactly what it is that is being proposed on the Form A.

Thanks for your help.

Please contact either Tracy Boncher or me should either of you have any questions.

Leonard

Leonard R. Johnson, Ph.D
Professor of Education and Chair,
Strategic Planning and Resources Council
University Curriculum Committee
Ferris State University
1349 Cramer Circle
Big Rapids, Michigan 49307
(231) 591-2134
http://www.ferris.edu/education/education
Hi Paula

Please forward this on to the UCC.

Thanks.

Leonard

Heather Vandenbussche wrote:
> Leonard and Tracey:
>
> Attached are the corrected forms that you requested:
>
> 1. Form C for FLITE
> 2. Form B for UGPC
> 3. Form Es for all 4 Pharmacotherapeutics proposals that contain more
details regarding assessment
> 4. Form A with a more detailed explanation of the proposed changes
>
> I do not know the process for submitting the form B and form C. Would one
of you be able to forward those forms to the correct individuals?
>
> Please let me know if there are any other documents that you need or
additional clarifications that I can provide. Thank you.
>
> Heather VandenBussche
-----Original Message-----
From: Leonard_Johnson@ferris.edu [mailto:Leonard_Johnson@ferris.edu]
Sent: Tuesday, February 08, 2011 1:06 PM
To: Heather Vandenbussche; craig.Straley@med.va.gov
Cc: Sandra_Alsbach@ferris.edu; Leonard_Johnson@ferris.edu;
Paula_Hadley-Kennedy@ferris.edu; DonaldFlickinger@ferris.edu;
TerrenceDoyle@ferris.edu; RonaldMehringer@ferris.edu; KristenMotz@ferris.edu;
FritzErickson@ferris.edu; TraceyBoncher@ferris.edu; SteveKarnes@ferris.edu;
Mitzi_Day@ferris.edu; AnitaFagerman@ferris.edu; HelenWoodman@ferris.edu;
OlukemiFadayomi@ferris.edu; MaureenMilzarski@ferris.edu
Subject: Curriculum Proposals - Pharmacotherapeutics and Medical Research

The UCC met yesterday and discussed your recent curriculum proposals. Because each of the proposals share similar issues which need yet to be addressed, I am sending this email to the two of you.

1) While a Form C has been received in FLITE for the Medical Research proposal, one for the Pharmacotherapeutics course has not.
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3) There appears to be inconsistency between stated outcomes and the assessment plan. Please revise the assessment plan for each proposal in a way that more clearly connects to stated outcomes.
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Thanks for your help.

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Leonard

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