

Revised 05/08/2009

PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Pharmacy electives PHAR 466 and PHAR 470

Initiating Unit or Individual: pharmacy

Contact Person's Name: Elsie Lovsted e-mail: lovstede@ferris.edu phone: 591-2238

Date or Term of Proposal Implementation: Fall 2010

- 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**

Group/Individual	Signature	Date	Vote/Action *
College Curriculum Committee	<i>Elsie Lovsted</i>	4-5-10	<u>7</u> Support <u>0</u> Support with Concerns <u>0</u> Not Support
College Faculty	Separate votes were taken at department meetings and the are combined (3/10/2010 and 3/16/2010)		<u>16 + 6</u> Support <u>0 + 0</u> Support with Concerns <u>0 + 0</u> Not Support
Dean	<i>Barnett</i>	4-7-10	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
University Curriculum Committee	<i>Donald Johnson/ph</i>	4/14/10	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Senate	<i>Richard Truffenherz</i>	4/14/10	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Academic Affairs	<i>Dodd</i>	4/16/10	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support

* 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)



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.)

These courses are electives that will be offered for students in the Pharm.D. curriculum implemented Fall 2009. The students are required to take 4 credits of electives in the P-2 or P-3 year. Pharmacy and Geriatric Health is a replacement course for an elective currently offered and reflects the change to PHAR for all pharmacy courses

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:

Prefix	Number	Title
PHAR	466	Medicinal Chemistry Research
PHAR	470	Pharmacy and Geriatric Health

b. Courses to be Deleted From FSU Catalog:

Prefix	Number	Title
PHCH	472	Pharmacy and Geriatric Health

c. Existing Course(s) to be Modified:

Prefix	Number	Title
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d. Addition of existing FSU courses to program

Prefix	Number	Title
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e. Removal of existing FSU courses from program

Prefix	Number	Title
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3. Summary of All Consultations

Form Sent (B or C) Form C	Date Sent 4-6-2010	Responding Dept.	Date Received & by Whom
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4. Will External Accreditation be Sought? (For new programs or certificates only)

_____ Yes _____ No

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

5. Program Checksheets affected by this proposal.

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: Pharmacy electives PHAR 470 and PHAR 466
Projected number of students per year affected by proposed change: PHAR 470
12 students, PHAR 466 2 students

Initiator(s): Elsie Lovsted

Proposal Contact: Elsie Lovsted Date Sent: 4-6-2010

Department: College of Pharmacy Campus Address: College of Pharmacy
(Please print)

Liaison Librarian Signature: *Alison Kowczynski* Date: 4-7-2010

Dean of FLITE Signature: *Paul M. Montgomery* Date Returned: 4-12-10

Based upon our review on 4-7-2010 (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.

Collection develop practices support the proposed courses.

NEW COURSE INFORMATION FORM**Course Identification:**

Prefix:	Number	Title
PHAR	466	Medicinal Chemistry Research

Course Description: Instructor approval prior to enrollment

This course elective will take a pharmacy student into the world of raw drug discovery and learning about the processes involved to bring new drug candidates to the pharmacy shelf. This experience teaches them about what is scientifically involved in discovering potential drug candidate(s), investigating structure activity relationships, evaluating biological results for receptor selectivity and improving upon clinically used drugs.

Course Outcomes and Assessment Plan:

Student(s) will be evaluated by the instructor on their ability to perform daily research activities and tasks in the laboratory related to their research project. They will need to perform various research procedures, explain topics and research objectives/goals as well as achieve tangible results from goals set out each week. They will also be evaluated on their final research presentation to the P1 students in a structured lecture format.

The student will go through the process of learning about proving a hypothesis scientifically, both synthetically, biologically and clinically. Students will leave the elective with a true appreciation of drug discovery techniques used in pharmaceutical research as well as a great appreciation and foresight for what drug candidates in cancer as well as type II diabetes will be coming down the pipes in the near future.

Course Outline including Time Allocation:

6 hours x 15 weeks = 89 hours of bench research

Presentation of semester research to P1 students = 1 hour

Total of 90 hours for course

Outline of Course:

- Review of hypothesis policy and procedures in research
- Drug discovery process
- Cancer and Diabetes research progress and obstacles
- Drug project
- Review of basic synthesis
- Laboratory safety and procedures
- Procedures for presentation
- Result analysis

CREATE NEW COURSE
Course Data Entry Form

FORM F

Create New Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: CREATE A NEW COURSE

Notes

1. Complete each item in Section I and Section II.
2. If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective (6 digit code only): 201008 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. PROPOSED FOR NEW COURSE: Complete all sections a through r. See manual for clarification.

a. Course Prefix

PHAR

b. Number

466

c. Enter Contact Hours per week in boxes.

LECture

LAB 6

INDEpendent Study – Check (x)

Practicum:

Seminar:

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

e. College Code: PH

f. Department Code: PHAR

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

g. Type: Variable X Fixed h. Minimum Credit Hours 2 i. Maximum Credit Hours 2

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

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

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

m. Does proposed new course replace an equivalent course? Check (x) Yes X No

n. Equivalent course: Prefix Number See instructions on Replacement courses.

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

This course elective will take a pharmacy student into the world of raw drug discovery and learning about the processes involved to bring new drug candidates to the pharmacy shelf. This experience teaches them about what is scientifically involved in discovering potential drug candidate(s), investigating structure activity relationships, evaluating biological results for receptor selectivity and improving upon clinically used drugs.

p. Term(s) Offered: Fall/Spring (See instructions for listing.) q. Max. Section Enrollment: 2

r. Prerequisites/Co-requisites/Restrictions: (If none, leave blank.) Limited to 100 spaces. Instructor approval

UCC Chair Signature/Date:

Leonard Johnson ph 4/11/10

Academic Affairs Approval Signature/Date:

Donna Blakes 4/16/10

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 __ SCADETL __ SCARRES __ SCAPREQ __

NEW COURSE INFORMATION FORM*See Sample – Limit to Two Pages Please***Course Identification:**

Prefix:	Number	Title
PHAR	470	Pharmacy and Geriatric Health

Course Description:

This course will assist pharmacy students in better understanding geriatric patients' unique healthcare needs by exposing them to lecture, discussion, observation, reading assignments, video, as well as one-on-one interaction with patients in clinical settings. Various experts from the geriatric field will be invited to discuss material with which they are most familiar. Students will develop a basic skill set for understanding and eventually, meeting the health care needs of geriatric patients.

Course Objectives

1. Develop increased understanding of geriatric patient's unique health care needs.
2. Describe the pharmacist' role in helping to meet and/or coordinate the health care needs of geriatric patients.
3. Expose the future pharmacist to medical situations which enhance their abilities to appropriately interact with other health care professionals (such as nurses, physicians, psychiatrists, dieticians, social workers, activity coordinators, etc.) in a team approach.
4. Develop and demonstrate appropriate interactions with geriatric patients while completing medical evaluations (such as MMSE, Geriatric Depression Scales, AIMS/DISCUS testing, etc.)
5. Introduce the student to non-traditional areas of practice.
6. Expose the student to formal patient-centered care, where pharmacists routinely impact medical outcomes.
7. Describe situations where medical and social ethical dilemmas in treating geriatric patients arise.
8. Introduce the student to treatment guidelines which are designed specifically for geriatric patients.
9. Introduce the student to key government-mandated, medically-related monitoring requirements in the long-term care environment.
10. Discuss important patho-physiologic and basic therapeutic subject matters which are unique to geriatric patients such as:
 - a. Stroke Identification and Prevention
 - b. Urinary Incontinence and Constipation
 - c. Adverse Drug Reaction Prevention
 - d. Dementia
 - e. Depression
 - f. Behavioral Problems and Psychiatric Issues
 - g. Hospice and End of Life
 - h. Vaccines
 - i. Orthostatic Hypotension
 - j. Benign Prostatatic Hypertrophy and Prostate Cancer
 - k. Osteoporosis
 - l. Glaucoma and Macular Degeneration

Assessment Plan: Written Examinations, participation, reflection-assignments

Course Outline including Time Allocation:

Topic	Time (Hrs)
Classroom lecture and discussion of subject matter	20
Visit skilled nursing facilities and perform medical evaluations and chart reviews	4
Examinations	2
Reflection and evaluation discussions	4
Total Hours	30

CREATE NEW COURSE
Course Data Entry Form

FORM F

Create New Course
Rev. 07/23/07

I. ACTION TO BE TAKEN: CREATE A NEW COURSE

Notes

1. Complete each item in Section I and Section II.
2. If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective (6 digit code only): 201008 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. PROPOSED FOR NEW COURSE: Complete all sections a through r. See manual for clarification.

a. Course Prefix PHAR b. Number 470 c. Enter Contact Hours per week in boxes.
LECTure 2 LAB INDEpendent Study – Check (x)

Practicum: Seminar:
d. Course Title: Pharmacy and Geriatric Health (Limit to 30 characters/spaces.)

e. College Code: PH f. Department Code: PHAR
Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: Variable X Fixed h. Minimum Credit Hours 2 i. Maximum Credit Hours 2

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

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

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

m. Does proposed new course replace an equivalent course? Check (x) X Yes No

n. Equivalent course: Prefix PHCH Number 472 See instructions on Replacement courses.

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

This course will assist pharmacy students in better understanding geriatric patients' unique healthcare needs by exposing them to lecture, discussion, observation, reading assignments, video, as well as one-on-one interaction with patients in clinical settings. Various experts from the geriatric field will be invited to discuss material with which they are most familiar. Students will develop a basic skill set for understanding and eventually, meeting the health care needs of geriatric patients.

p. Term(s) Offered: Fall/Spring/Summer (See instructions for listing.) q. Max. Section Enrollment: 12

r. Prerequisites/Co-requisites/Restrictions: (If none, leave blank.) Limited to 100 spaces. Prerequisite: second professional year status

UCC Chair Signature/Date:

Donald Johnson 4/14/10

Academic Affairs Approval Signature/Date:

Donald Johnson 4/16/10

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 __ SCADETL __ SCARRES __ SCAPREQ __

DELETE COURSE
Course Data Entry Form

FORM F

Delete Course
Rev. 7/23/07

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 Year 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

b. Number

c. Enter Contact Hours per week in boxes.

LECTure 2

LAB

INDEpendent Study – Check (x)

Practicum:

Seminar:

d. Full Course Title Pharmacy and Geriatric Health

UCC Chair Signature/Date:

Leonard Jahnke 4/14/10

Academic Affairs Approval Signature/Date:

David Cole 4/16/10

Office of the Registrar use ONLY

Date Rec'd: ___ Date Completed: ___ Entered: SCACRSE __ SCADETL __ SCARRES __ SCAPREQ __