

Revised 05/08/2009

PROPOSAL SUMMARY AND ROUTING FORM

Proposal Title: Elective APPEs

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</u> + <u>6</u> Support <u>0</u> + <u>0</u> Support with Concerns <u>0</u> + <u>0</u> Not Support
Dean	<i>Samaritan</i>	4-7-10	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
University Curriculum Committee	<i>[Signature]</i>	4/19/10	<input checked="" type="checkbox"/> Support <u>8-0</u> <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Senate	<i>Richard Stiffinger</i>	4/19/10	<input checked="" type="checkbox"/> Support <input type="checkbox"/> Support with Concerns <input type="checkbox"/> Not Support
Academic Affairs	<i>Donald [Signature]</i>	4/22/10	<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)

VPAA

APR 19 2010

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.)

These courses are elective rotations for P-4 students within the Pharm.D. Curriculum. The new courses reflect the change from PHPR to PHAR for the students in the curriculum implemented Fall 2009. They have three elective advanced pharmacy practice experiential rotations in the fourth year. The deletion dates for the PHPR courses reflect the termination of the old curriculum and allow students who may have fallen behind in the previous curriculum to complete courses

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:

Prefix	Number	Title
PHAR	617	Hospital Pharmacy Administration
PHAR	618	Managed Care Pharmacy
PHAR	626	Veterinary Medicine
PHAR	628	Nuclear Pharmacy
PHAR	661	Corporate Pharmacy
PHAR	662	Pharmaceutical Industry
PHAR	663	Health Systems Pharmacy
PHAR	666	International Pharmacy

b. Courses to be Deleted From FSU Catalog:

Prefix	Number	Title
PHPR	617	Pharmacy Administration Clerkship
PHPR	618	Managed Care Clerkship
PHPR	626	Veterinary Pharm Prac Exper
PHPR	628	Nuclear Pharm Practice Exper
PHPR	666	Internat Adv Pharm Prac Exper
PHPR	662	Pharmaceutical Industry MBA
PHPR	661	Corporate Pharmacy MBA
PHPR	663	Health System Practice MBA

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: Elective APPEs

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

Initiator(s): <u>Cambria DeHoag</u>
Proposal Contact: <u>Elsie Lovsted</u> Date Sent: <u>4-6-2010</u>
Department: <u>College of Pharmacy</u> Campus Address: <u>College of Pharmacy</u> (Please print)

Liaison Librarian Signature: <u>Alison Konecny</u> Date: <u>4-7-2010</u>
Dean of FLITE Signature: <u>[Signature]</u> Date Returned: <u>4-12-10</u>

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.

Current collection development practices support the proposed courses.

NEW COURSE INFORMATION FORM

See Sample – Limit to Two Pages Please

Course Identification:

Prefix: Number Title
PHAR 617 Hospital Pharmacy Administration

Course Description:

This elective rotation will provide students with experience in the administrative aspects of health system pharmacy operations as well as administrative considerations in clinical pharmacy practice.

Course Objectives

The learner will achieve the following objectives.

- a. State relevant metrics that assist the pharmacy manager in identifying the success of their business plan, operational budget, prescription benefit plan contracts and delivery of services.
- b. List the advantages and disadvantages of relevant health care and drug distribution systems for the management of a specific patient (e.g., pediatric, geriatric) or therapeutic problem.
- c. List the obstacles to outcomes-based continuity of care for patients that are relevant to pharmacy practice.
- d. Apply the appropriate pharmacoeconomic tool to the situation, as relevant to formulary and prescription benefit administration.
- e. Recommend managerial interventions to address issues in human resource, financial and logistics management with consideration of the unique characteristics of the practice setting.
- f. Recommend relevant informatics tools that are relevant to the delivery of patient centered pharmacy services, product distribution and relevant health care services.
- g. Plan, conduct and/or evaluate the results of project (i.e. drug utilization evaluation, related to a pharmacy operational change or implementation, marketing plan or medication error reduction).
- h. Write and speak accurately, clearly and creatively during communications with patients, health professionals, peers and teachers.
- i. Use data, media, and computers to assist in communications with patients, health professionals, peers and teachers.
- j. Respond appropriately with supporting documentation and in the correct format (written or verbal) to questions posed.
- k. Identify realistic outcomes. Construct criteria for evaluation of chosen solutions.
- l. Frame problems and solutions within appropriate social, scientific, cultural, intellectual, and ethical contexts.
- m. Display openness to new ideas.
- n. Evaluate the role of leadership and leadership styles on health care innovation, pharmacy management and pharmacy systems design.
- o. Display professionalism in pharmacy practice.
- p. Employ ethical principles and a systematic decision making process to resolve ethical dilemmas within complex personal, societal, and professional situations.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

Topic	Time (Hrs)
Experiential rotation placement (40 hours per week)	160

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): 201205 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

617

c. Enter Contact Hours per week in boxes.

LECture LAB INDEpendent Study – Check (x)

Practicum: 40

Seminar:

d. Course Title: **Hospital Pharmacy Administration** (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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 elective rotation will provide students with experience in the administrative aspects of health system pharmacy operations as well as administrative considerations in clinical pharmacy practice.

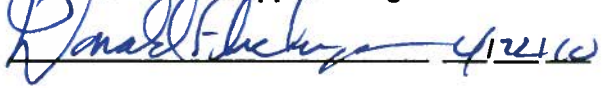
p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 150

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

UCG Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/21/10

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	618	Managed Care Pharmacy

Course Description:

This elective rotation is designed to introduce the students to the world of managed care under the directive of pharmacy services. The student will be exposed to a broad range of experiences such as formulary management, academic detailing, provider and member education, patient profile reviews, and new drug reviews.

Course Objectives

The learner will achieve the following objectives.

- a. Select the most appropriate drug delivery dosage form/device for the patient based on pharmacotherapy, age, disease, bioequivalence, route of administration, stability, incompatibility, and cost.
- b. Interpret and prioritize data/evidence needed to formulate and implement a patient-specific and/or population-based disease management plan to achieve desired outcomes.
- c. Discuss the application of study results to expanded patient populations.
- d. Use various methods to enhance patient adherence
- e. List the advantages and disadvantages of relevant health care and drug distribution system for the management of a specific patient (e.g., pediatric, geriatric) or therapeutic problem.
- f. Assist patients in interpretation and use of federal, state and private prescription insurance programs.
- g. Identify the specific programs that a patient would access for indigent care programs given the necessary patient-specific parameters.
- h. Apply the appropriate pharmacoeconomic tool to the situation, as relevant to formulary and prescription benefit administration.
- i. Write and speak accurately, clearly and creatively during communications with patients, health professionals, peers and teachers.
- j. Use data, media, and computers to assist in communications with patients, health professionals, peers and teachers.
- k. Respond appropriately with supporting information and in the correct format (written or verbal) to questions posed.
- l. Effectively educate and/or counsel patients, caregivers or other health care providers about drug therapy and the proper use of medical devices to ensure effective use at the appropriate level.
- m. Display openness to new ideas
- n. Display professionalism in pharmacy practice.
- o. Employ ethical principles and a systematic decision making process to resolve ethical dilemmas within complex personal, societal, and professional situations.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

Topic	Time (Hrs)
Experiential rotation placement (40 hours per week)	160

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): 201205 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

618

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEpendent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **Managed Care Pharmacy** (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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 elective rotation is designed to introduce the students to the world of managed care under the directive of pharmacy services. The student will be exposed to a broad range of experiences such as formulary management, academic detailing, provider and member education, patient profile reviews, and new drug reviews.

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 150

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

UCC Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/20

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

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

Prefix:	Number	Title
PHAR	626	Veterinary Medicine

Course Description:

This elective rotation is designed to provide students with exposure to veterinary pharmacy and the physiology and pathophysiology in animal patients. Students will be exposed to patient-care experiences in the areas of surgery, and internal medicine in both large and small animals. Students will gain an understanding of the pharmacy services a pharmacist can provide to a veterinary facility, and familiarity with the unique pharmaceutical needs and specific dosage forms needed in the management of animals.

Course Objectives

1. Calculate equivalent dosages for drug products which vary according to their manufacturer, delivery system, route of administration and/or salt form.
2. Select the most appropriate drug delivery dosage form/device for the patient
3. Develop and implement a patient-specific disease management plan (including monitoring for achievement of pharmacotherapeutic goals.)
4. Apply pharmaceutical sciences, pathophysiology, pharmacokinetics and pharmacotherapy to individual patients.
5. Effectively collaborate with and communicate with prescribers, patient care givers, and other involved health care providers to engender a team approach to patient care
6. Retrieve, interpret, analyze, evaluate and apply appropriate data or evidence needed to formulate and implement a patient-specific disease management plan.
7. Integrate physical assessment into the patient-specific disease management plan
8. Assess the utility and accuracy of a response to a drug information request and the impact of the response on patient-specific disease management
9. Predict and prevent drug-related problems and medical errors.
10. Write and speak accurately, effectively and at the appropriate level during all communications with patient care givers, health professionals, peers and teachers.
11. Use writing, speaking, data, media, and computers to assist in communications with patient care givers, health professionals, peers and teachers.
12. Demonstrate sensitivity, caring, respect and tolerance in all communications.
13. Gather, organize, document and evaluate information in order to provide patient-specific disease management.
14. Display professionalism in pharmacy practice.
15. Employ the principles that are integral to patient-centered care and the profession (e.g., honesty, justice, empathy, altruism, compassion, autonomy).
16. Employ ethical principles and a systematic decision making process to resolve ethical dilemmas within complex personal, societal, and professional situations.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

Topic	Time (Hrs)
Experiential rotation placement (40 hours per week)	160

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): 201205 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

626

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEPENDent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **Veterinary Medicine**

(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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 elective rotation is designed to provide students with exposure to veterinary pharmacy and the physiology and pathophysiology in animal patients. Students will be exposed to patient-care experiences in the areas of surgery, and internal medicine in both large and small animals. Students will gain an understanding of the pharmacy services a pharmacist can provide to a veterinary facility, and familiarity with the unique pharmaceutical needs and specific dosage forms needed in the management of animals.

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 30

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

UCC Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/10

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code

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

Prefix:	Number	Title
PHAR	628	Nuclear Pharmacy

Course Description:

This elective rotation is designed to give the student an understanding of the application of radiopharmaceuticals in diagnostic imaging and treatment of various diseases states. The student will gain knowledge of basic radiation safety, quality control, and product preparation of radiopharmaceuticals. The student will become familiar with the pharmacology, mechanism of action, contraindications, and drug interactions of each radiopharmaceutical. The student will experience procedural protocols of nuclear imaging in humans and possibly animals. Finally, the course will stress the appropriateness and cost effectiveness of each imaging modality in the health care system.

Course Objectives

1. Apply pharmaceutical sciences, pathophysiology, pharmacokinetics and pharmacotherapy to individual patients.
2. Provide inservice education with the appropriate content to other health care professionals.
3. Predict and prevent drug-related problems and medical errors.
4. Describe the important principles of time and project management.
5. Describe the different roles and responsibilities of professional and technical personnel in different type of pharmacy operations and clinical micro-systems.
6. Make recommendations on the appropriate preparation, storage and quality control (including the relevant USP standards) for any preparation made in a pharmacy.
7. Recommend relevant informatics tools that are relevant to the delivery of patient centered pharmacy services, product distribution and relevant health care services.
8. Plan a simple project related to a pharmacy operational change or implementation.
9. Employ fundamental contract law principles in managing different aspects of a pharmacy operation.
10. Critique contemporary pharmacy service delivery systems for the appropriate use of logistics (supply chain management).
11. Write and speak accurately, effectively and clearly during all communications with patients, health professionals, peers and teachers.
12. Use writing, speaking, data, media, and computers to assist in communications with patients, health professionals, peers and teachers.
13. Respond appropriately, and in the correct format (written or verbal) to questions posed.
14. Gather, organize, document and evaluate relevant information
15. Assess accuracy, fairness, significance, relevance, completeness, and persuasiveness of information and its sources.
16. Display openness to new ideas and a tolerance for ambiguity and incompleteness.
17. Evaluate and apply literature to formulate evidence based recommendations.
18. Use appropriate technology to analyze information.
19. Display professionalism in pharmacy practice.
20. Regularly self-assess learning needs for ongoing personal and professional growth.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

Topic	Time (Hrs)
Experiential rotation placement (40 hours per week)	160

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): 201205 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

628

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEPENDent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **Nuclear Pharmacy**

(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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 elective rotation is designed to give the student an understanding of the application of radiopharmaceuticals in diagnostic imaging and treatment of various diseases states. The student will gain knowledge of basic radiation safety, quality control, and product preparation of radiopharmaceuticals. The student will become familiar with the pharmacology, mechanism of action, contraindications, and drug interactions of each radiopharmaceutical. The student will experience procedural protocols of nuclear imaging in humans and possibly animals. Finally, the course will stress the appropriateness and cost effectiveness of each imaging modality in the health care system.

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 30

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

UCC Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/09

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	661	Corporate Pharmacy

Course Description:

This one-month required rotation is designed to provide students with experiences in the culture, systems, structures, and practices of organization that practices performance metrics based management as applied in the setting of corporate pharmacy practice.

Course Objectives

At the conclusion of the Performance Metrics Based Management Clerkship – Corporate Pharmacy Practice, the student will be able to:

1. Assess and analyze the overall mission and vision of the corporation.
2. Assess and analyze the long- and short-term performance goals of the corporation and relate them to current operations and initiatives.
3. Assess and analyze the performance metrics based management system within the corporate structure and describe how it compares with the Balanced Scorecard and the Malcolm Baldrige National Quality Award Criteria.
4. Assess and analyze the leadership and strategic planning system of the corporate structure, the leading and lagging measures chosen to measure its performance, and the improvement system incorporated that facilitates leadership improvement.
5. Assess and analyze how the corporation obtains information about the needs and satisfaction of its customers, stakeholders and markets and incorporates that information into its strategic and tactical plans.
6. Assess and analyze how the corporation measures and analyzes organizational performance and translates that into future improved performance.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

<u>Topic/Activity</u>	<u>Hours/Week</u>
Meeting activities	10-15
Meeting research	5-10
Site Activities	5-10
Shadowing/Mentoring	5-10
Project Activities	5-10

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): 201205 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

661

c. Enter Contact Hours per week in boxes.

LECture LAB INDEpendent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **Corporate Pharmacy** (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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 one-month required rotation is designed to provide students with experiences in the culture, systems, structures, and practices of organization that practices performance metrics based management as applied in the setting of corporate pharmacy practice.

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 30

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

UCC Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/10

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	662	Pharmaceutical industry

Course Description:

This one-month required rotation is designed to provide students with experiences in the culture, systems, structures, and practices of an organization that practices performance metrics based management as applied in the setting of the pharmaceutical industry

Course Objectives

At the conclusion of the Performance Metrics Based Management Clerkship – Pharmaceutical Industry, the student will be able to:

1. Assess and analyze the overall mission and vision of the corporation.
2. Assess and analyze the long- and short-term performance goals of the corporation and relate them to current operations and initiatives.
3. Assess and analyze the performance metrics based management system within the corporation and describe how it compares with the Balanced Scorecard and the Malcolm Baldrige National Quality Award Criteria.
4. Assess and analyze the leadership and strategic planning system of the corporation, the leading and lagging measures chosen to measure its performance, and the improvement system incorporated that facilitates leadership improvement.
5. Assess and analyze how the corporation obtains information about the needs and satisfaction of its customers, stakeholders and markets and incorporates that information into its strategic and tactical plans.
6. Assess and analyze how the corporation measures and analyzes organizational performance and translates that into future improved performance.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

<u>Topic/Activity</u>	<u>Hours/Week</u>
Meeting activities	10-15
Meeting research	5-10
Site Activities	5-10
Shadowing/Mentoring	5-10
Project Activities	5-10

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): 201205 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

662

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEpendent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **Pharmaceutical industry** (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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 one-month required rotation is designed to provide students with experiences in the culture, systems, structures, and practices of an organization that practices performance metrics based management as applied in the setting of the pharmaceutical industry

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 30

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

UCC Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/10

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	663	Health Systems Pharmacy

Course Description:

This one-month required rotation is designed to provide students with experiences in the culture, systems, structures, and practices of an organization that practices performance metrics based management as applied in the setting of health systems pharmacy practice

Course Objectives

At the conclusion of the Performance Metrics Based Management Clerkship –Health Systems Pharmacy, the student will be able to:

1. Assess and analyze the overall mission and vision of the health system
2. Assess and analyze the long- and short-term performance goals of the health system and relate them to current operations and initiatives.
3. Assess and analyze the performance metrics based management system within the health system and describe how it compares with the Balanced Scorecard and the Malcolm Baldrige National Quality Award Criteria.
4. Assess and analyze the leadership and strategic planning system of the health system, the leading and lagging measures chosen to measure its performance, and the improvement system incorporated that facilitates leadership improvement.
5. Assess and analyze how the health system obtains information about the needs and satisfaction of its customers, stakeholders and markets and incorporates that information into its strategic and tactical plans.
6. Assess and analyze how the health system measures and analyzes organizational performance and translates that into future improved performance.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

<u>Topic/Activity</u>	<u>Hours/Week</u>
Meeting activities	10-15
Meeting research	5-10
Site Activities	5-10
Shadowing/Mentoring	5-10
Project Activities	5-10

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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): 201205 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

663

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEpendent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **Health Systems Pharmacy** (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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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 one-month required rotation is designed to provide students with experiences in the culture, systems, structures, and practices of an organization that practices performance metrics based management as applied in the setting of health systems pharmacy practice

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 30

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

UCG Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/10

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	666	International Pharmacy

Course Description:

The goal of the International Advanced Pharmacy Practice Experience is to provide selected students with exposure to and involvement in foreign pharmacy practice. This will be facilitated through placement in a variety of clinical settings including hospital (institutional) practice, community practice and clinical practice and will be directed by affiliated Colleges of Pharmacy in the selected country.

Course Objectives

1. Select the most appropriate drug delivery dosage form/device for the patient
2. Interpret and prioritize data/evidence needed to formulate and implement a patient-specific and/or population-based disease management plan to achieve desired outcomes.
3. Develop and implement a patient-specific and/or population-based disease management plan (including monitoring for achievement of pharmacotherapeutic goals).
4. Evaluate and interpret professional, lay and scientific literature
5. Provide pharmacologic and non-pharmacologic education with the appropriate content to patients or care givers.
6. Outline the role of the pharmacist in the delivery of health-care in the host country including practice in the following areas:
 - a. Institutional practice
 - b. Community practice
 - c. Specialty (clinical) practice
7. Compare and contrast the pharmacotherapeutic approach to several common disease states of the host country with that seen in the US.
8. Describe the different roles and responsibilities of professional and technical personnel in different type of pharmacy operations and clinical micro-systems.
9. List the advantages and disadvantages of relevant health care and drug distribution system for the management of a specific patient (e.g., pediatric, geriatric) or therapeutic problem.
10. List the obstacles to outcomes-based continuity of care for patients that are relevant to pharmacy practice.
11. Using risk management principles, develop a plan to minimize medication errors for a particular practice setting.
12. Demonstrate a detailed understanding of the health-care system of the host country.
13. Describe pharmacy education in the host country, contrasting it with that seen in the US.
14. Write and speak accurately and clearly during communications with patients, health professionals, peers and teachers.
15. Use data, media, and computers to assist in communications with patients, health professionals, peers and teachers.
16. Demonstrate sensitivity and tolerance within multicultural interactions and settings.
17. Respond appropriately, and in the correct format (written or verbal) to questions posed.
18. Display professionalism in pharmacy practice.

Assessment:

Outcomes based evaluation

Course Outline including Time Allocation:

Topic	Time (Hrs)
Experiential rotation placement (40 hours per week)	160

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Term Effective (6 digit code only): 201205 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

666

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEPENDent Study – Check (x)

Practicum: 40 Seminar:

d. Course Title: **International Pharmacy** (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 Fixed h. Minimum Credit Hours 4 i. Maximum Credit Hours 4

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

k. Levels: Check (x) Undergraduate Graduate Professional

l. Grade Method: Check (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.

The goal of the International Advanced Pharmacy Practice Experience is to provide selected students with exposure to and involvement in foreign pharmacy practice. This will be facilitated through placement in a variety of clinical settings including hospital (institutional) practice, community practice and clinical practice and will be directed by affiliated Colleges of Pharmacy in the selected country

p. Term(s) Offered: Sp, Su, Fall (See instructions for listing.) q. Max. Section Enrollment: 4

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

UCC Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/24/10

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

LAB

INdependent Study – Check (x)

Practicum:

Seminar:

d. Full Course Title Pharmacy Administration Clerkship

UCO Chair Signature/Date:



4/19/10

Academic Affairs Approval Signature/Date:



4/21/10

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b. Number

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LECTure

LAB

INDEpendent Study – Check (x)

Practicum:

Seminar:

d. Full Course Title

UCC Chair Signature/Date:



Academic Affairs Approval Signature/Date:



Office of the Registrar use ONLY

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b. Number

c. Enter Contact Hours per week in boxes.

LECTure LAB INDEpendent Study – Check (x)

Practicum: Seminar:

d. Full Course Title

UCC Chair Signature/Date:



Academic Affairs Approval Signature/Date:



Office of the Registrar use ONLY

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a. Course Prefix

b. Number

c. Enter Contact Hours per week in boxes.

LECTure

LAB

INDEpendent Study – Check (x)

Practicum:


Seminar:

d. Full Course Title Nuclear Pharm Practice Exper

UCO Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/10

Office of the Registrar use ONLY

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a. Course Prefix

b. Number

c. Enter Contact Hours per week in boxes.

LECTure

LAB

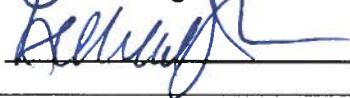
INDEPENDENT Study – Check (x)

Practicum:

Seminar:

d. Full Course Title Corporate Pharmacy MBA

UCC Chair Signature/Date:



Academic Affairs Approval Signature/Date:



Office of the Registrar use ONLY

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

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a. Course Prefix

b. Number

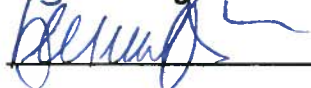
c. Enter Contact Hours per week in boxes.

LECTure LAB INDEpendent Study – Check (x)

Practicum: Seminar:

d. Full Course Title Pharmaceutical Industry MBA

UCC Chair Signature/Date:



4/19/12

Academic Affairs Approval Signature/Date:



4/22/12

Office of the Registrar use ONLY

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a. Course Prefix

b. Number


c. Enter Contact Hours per week in boxes.

LECTure LAB INDEPENDENT Study – Check (x)

Practicum: Seminar:

d. Full Course Title Health System Practice MBA

UCC Chair Signature/Date:



Academic Affairs Approval Signature/Date:



Office of the Registrar use ONLY

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a. Course Prefix

b. Number

c. Enter Contact Hours per week in boxes.

LECTure

LAB

INDEpendent Study – Check (x)

Practicum:

Seminar:

d. Full Course Title Internat Adv Pharm Prac Exper

UCG Chair Signature/Date:

 4/19/10

Academic Affairs Approval Signature/Date:

 4/22/10

Office of the Registrar use ONLY

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