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UCC Minutes, 02/23/2010

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UNIVERSITY CURRICULUM COMMITTEE MINUTES

Date: 2/23/10

Minutes Approved by:  Date Approved 4/22/10

TO: Dr. Stephen P. Richters
Provost

FROM: Dr. Lon Smith, Chair
University Curriculum Committee

FACULTY MEMBERS PRESENT: L. Smith, J. Boulton, J. Burgess, D. Chandler, D. Davis, M. Doherty, J. Evans, R. Hanser, D. Luse, H. Rappaport, A. Saydam, C. Hutto (for R. Stevens), K. Tolson

FACULTY MEMBERS ABSENT:

FACULTY MEMBERS EXCUSED: L. Clark, C. Grinnell

EX-OFFICIO MEMBERS PRESENT: J. Perrer, C. Lee

EX-OFFICIO MEMBERS ABSENT:

EX-OFFICIO MEMBERS EXCUSED: D. Williams

1. THE DEPARTMENT OF CLINICAL LABORATORY SCIENCE requests:

Presenter:	D. Wisenor
Action:	CHANGE the Department Name and Code to Medical Laboratory Science (MLSC and PMLS)
Current Department Name: Clinical Laboratory Science Code: PCLS and CLSC	
Proposed Degree Plan: Pre-Medical Laboratory Science and Medical Laboratory Science Code: PMLS and MLSC	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved

Notes:	Name changes and Code Changes require Board approval. The committee approves the change contingent on the Boards approval. Pages affected by this change: 5, 13, 15, 20, 22, 38, 40, 54, 55, 72, 95, 124, 125, 126, 164, 165, 230, 237, 241, 245-249, 252, 255, 257
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2. THE DEPARTMENT OF CLINICAL LABORATORY SCIENCE requests:

Presenter:	D. Wisenor
Action:	CHANGE Title and Description of CLSC 412 (Urinalysis and Body Fluids Practicum)
Current Description: 412. URINALYSIS AND BODY FLUIDS-PRACTICUM. 2 cr. Advanced concepts in the use and interpretation of urinalysis and body fluids procedures and data. Practical application of clinical urinalysis and body fluid knowledge and skills in a clinical laboratory setting. CLSC majors only. F, Sp	
Proposed Description: 412. URINALYSIS PRACTICUM. 2 cr. Advanced concepts in the use and interpretation of urinalysis and body fluids procedures and data. Practical application of clinical urinalysis and body fluid knowledge and skills in a medical laboratory setting. MLSC majors only. F, Sp	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	UA-Practicum
UCC Decision:	Approved
Notes:	Change CLSC to MLSC if item #1 is approved.

3. THE DEPARTMENT OF CLINICAL LABORATORY SCIENCE requests:

Presenter:	D. Wisenor
Action:	CLOSE and REMOVE CLSC 100 (MEDICAL APPLICATION OF SCIENCE FOR HEALTH)
Credit Hours:	

Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

4. **THE DEPARTMENT OF CLINICAL LABORATORY SCIENCE** requests:

Presenter:	D. Wisenor
Action:	CHANGE Description of CLSC 328 (TECHNICAL PROCEDURES IN BLOOD BANKING)
Current Description:	328. TECHNICAL PROCEDURES IN BLOOD BANKING. 1 cr. A laboratory course to accompany 327, giving practical experience in blood donor selection, blood processing, patient crossmatching, plasmapheresis, and other blood component fractionation procedures. Three hours laboratory. Prerequisite: Approval of the Program Director. Sp
Proposed Description:	328. TECHNICAL PROCEDURES IN BLOOD BANKING. 1 cr. A laboratory course to accompany 327, giving practical experience in pretransfusion compatibility testing and basic antibody identification and an introduction to donor screening and component preparation. Three hours laboratory. Prerequisite: MLSC majors only. Sp
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	

Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Change CLSC to MLSC if item #1 is approved.

5. THE DEPARTMENT OF CLINICAL LABORATORY SCIENCE requests:

Presenter:	D. Wisenor
Action:	CHANGE Description of CLSC 423 (HEMATOLOGY III-PRACTICUM)
Current Description: 423. HEMATOLOGY III-PRACTICUM. 4 cr. Continuation of CLSC 422. Advanced concepts in the use and interpretation of hematological and coagulation procedures and data. Practical application of clinical hematology knowledge and skills in a clinical laboratory setting. CLSC majors only. F, Sp	
Proposed Description: 423. HEMATOLOGY III-PRACTICUM. 4 cr. Advanced concepts in the use and interpretation of hematological and body fluid procedures and data. Practical application of clinical hematology knowledge and skills in a medical laboratory setting. MLSC majors only. F, Sp	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Change CLSC to MLSC if item #1 is approved.

6. THE DEPARTMENT OF CLINICAL LABORATORY SCIENCE requests:

Presenter:	D. Wisenor
Action:	CLOSE and REMOVE CLSC 450 (COOPERATIVE EDUCATION EXPERIENCE)
Credit Hours:	

Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

7. **THE DEPARTMENT OF CHEMISTRY** requests:

Presenter:	R. Thurlkill
Action:	CHANGE Prerequisites in CHEM 220 (INTRODUCTION TO PHYSICAL CHEMISTRY)
Current Description:	220. INTRODUCTION TO PHYSICAL CHEMISTRY. 3 cr. Discussion of basic chemical principles, including thermodynamics, kinetics, equilibrium, and quantum mechanics, with applications to biological molecules. Three hours lecture. Prerequisites: "C" or better in CHEM 108. Sp, odd (Formerly 302)
Proposed Description:	220. INTRODUCTION TO PHYSICAL CHEMISTRY. 3 cr. Discussion of basic chemical principles, including thermodynamics, kinetics, equilibrium, and quantum mechanics, with applications to biological molecules. Three hours lecture. Prerequisites: (MATH 114 or 131), (PHYS 203 or 207) and a "C" or better in CHEM 108. Sp, odd (Formerly 302)
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	

Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

8. THE DEPARTMENT OF NURSING requests:

Presenter:	J. Burgess
Action:	CHANGE Prerequisites in NURS 430 (NURSING RESEARCH)
Current Description: 430. NURSING RESEARCH. 3 cr. Basic research methods applied to problems in patient care. Prerequisites: NURS 220, 305 or 307, or 321, or Dental Hygiene major or approval of instructor.	
Proposed Description: 430. NURSING RESEARCH. 3 cr. Basic research methods applied to problems in patient care. Prerequisites: NURS 220, 305 or 307, or 321.	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	101
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

9. THE DEPARTMENT OF OCCUPATIONAL THERAPY requests:

Presenter:	C. Murphy
Action:	CHANGE admission requirement for Occupational Therapy Assistant Program (OCTA)
Current Catalog Content: Applicants for admission to the professional segment of the Occupational Therapy Assistant Program (OCTA) must complete the following minimum criteria by the end of the spring semester that application is made: 1) possess a minimum, uncorrected cumulative grade point average of 2.500 on a 4.000 scale in all previous coursework attempted at higher institutions of attendance and a minimum 2.500 uncorrected grade point average in all hours toward the OTA degree; 2) completion of 30 [32] hours of	

required pre-professional coursework in the Occupational Therapy Assistant Program with a grade of “C” or better (see course descriptions for prerequisites). These hours must include Biology 226 and Psychology 278. NOTE: It is strongly recommended that all 33 [35] pre-professional hours be completed by the end of the spring semester of application to the professional program. However, students may apply with 30 [32] of the required credits completed with a grade of “C” or better.

Proposed Catalog Content:

Applicants for admission to the professional segment of the Occupational Therapy Assistant Program (OCTA) must complete the following minimum criteria by the end of the spring semester that application is made: 1) possess a minimum, uncorrected cumulative grade point average of 2.700 on a 4.000 scale in all previous coursework attempted at higher institutions of attendance and a minimum 2.700 uncorrected grade point average in all hours toward the OTA degree; 2) completion of 30 [32] hours of required pre-professional coursework in the Occupational Therapy Assistant Program with a grade of “C” or better (see course descriptions for prerequisites). These hours must include Biology 226 and Psychology 278. NOTE: It is strongly recommended that all 33 [35] pre-professional hours be completed by the end of the spring semester of application to the professional program. However, students may apply with 30 [32] of the required credits completed with a grade of “C” or better.

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Fall 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

10. THE DEPARTMENT OF SPEECH LANGUAGE PATHOLOGY requests:

Presenter:	J. Boulton
Action:	CLOSE and REMOVE course in Speech Language Pathology
Course to Close/Remove:	
SPLP 151(GENERAL FOUNDATION IN AUDIOLOGY) SPLP 222(AMERICAN SIGN LANGUAGE II) SPLP 240(ANATOMY AND PHYSIOLOGY OF SPEECH PROCESSES) SPLP 242(SPEECH, LANGUAGE, AND HEARING ACOUSTICS) SPLP 300(SUPERVISED OBSERVATION IN COMMUNICATIVE DISORDERS) SPLP 350(VOICE DISORDERS) SPLP 417(PHONETICS) SPLP 418(PHONETICS LABORATORY) SPLP 426(DIAGNOSIS AND APPRAISAL OF COMMUNICATION DISORDERS) SPLP 427(DIAGNOSIS AND APPRAISAL OF COMMUNICATION DISORDERS LABORATORY) SPLP 429 (VOICE AND FLUENCY DISORDERS) SPLP 431(STUTTERING) SPLP 435 (CLINICAL PROCEDURES AND OBSERVATIONS) SPLP 436(MANUAL COMMUNICATION) SPLP 445(CLINICAL COUNSELING) SPLP 470(CLINICAL ASSISTING) SPLP 480(AUDIOLOGY) SPLP 485(AURAL REHABILITATION) SPLP 490(NEUROPHYSIOLOGICAL BASES FOR COMMUNICATION)	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

11. THE DEPARTMENT OF SPEECH LANGUAGE PATHOLOGY requests:

Presenter:	J. Boulton										
Action:	CHANGE Degree Plan in Speech Language Pathology										
Current Catalog Content:											
<p>ADMISSION TO PRE-SPEECH-LANGUAGE PATHOLOGY</p> <p>Applicants for admission to Pre-Speech-Language Pathology curriculum must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.</p>											
<p>Progression of Majors in Speech-Language Pathology</p> <p>Students enrolled in this curriculum are not eligible for American Speech-Language-Hearing Association (ASHA) certification upon completion of the degree plan. Graduate work is necessary to secure the Certificate of Clinical Competence (CCC) professional credentials. All Speech-Language Pathology courses must have a "C" or better upon graduation. A course transferred from another institution must show a grade of "C" or better in order to be considered for SPLP credit. Only approved 100 and 200 level courses may be transferred.</p> <p>Beginning Summer I, 1995, all students declaring a SPLP major must meet the following requirements before applying for regular admission to the degree program: 1) satisfactory completion of any required developmental course, 2) satisfactory completion of all courses under the "Freshman Year" requirements of the SPLP curriculum, 3) satisfactory completion of all special requirements of the SPLP major. These special requirements include a) completion of SPLP 113, 151, 152, 240, and 242 with a "C" or better; b) completion of a speech, language, and hearing screening test; c) an uncorrected cumulative GPA of 2.75 or better; d) an uncorrected GPA of 3.0 or better in the 100- and 200-level SPLP courses, e) SPLP faculty approval. Note that meeting the basic requirements does not guarantee that the student will be selected to progress to upper-level SPLP courses. The above requirements also apply to transfer students. Applications for regular admission will be reviewed only in the fall semester. Applications are to be completed with the student's adviser and forwarded to the department head by October 20 for review.</p> <p>Speech-Language Pathology courses, with the exception of practica and directed studies, can be repeated only one time. Before enrollment in SPLP 470 a student must have 1) completed a speech, language, and hearing screening while enrolled in SPLP 113, 2) completed all courses required during the freshman and sophomore years as stated in the catalog; 3) completed 25 hours of supervised observation at approved settings; 4) a cumulative, uncorrected grade point average of 2.75 or better, and 5) an uncorrected grade point average of 3.0 or better in SPLP 113, 151, 152, 240, 242, 300, 417, 418, 426, 427, 428, and 433.</p>											
<table> <thead> <tr> <th>Freshman Year</th> <th>Hrs.</th> </tr> </thead> <tbody> <tr> <td>University Seminar.....</td> <td>(1)</td> </tr> <tr> <td>Core English Composition*</td> <td>6</td> </tr> <tr> <td>Core Humanities*</td> <td>3</td> </tr> <tr> <td>Mathematics 111cm or 113cm</td> <td>3</td> </tr> </tbody> </table>		Freshman Year	Hrs.	University Seminar.....	(1)	Core English Composition*	6	Core Humanities*	3	Mathematics 111cm or 113cm	3
Freshman Year	Hrs.										
University Seminar.....	(1)										
Core English Composition*	6										
Core Humanities*	3										
Mathematics 111cm or 113cm	3										

Mathematics 116*	3
Core Physical/Natural Sciences*	6
Speech-Language Pathology 113, 151	6
Elective.....	3
Kinesiology Elective	1
Kinesiology 201	1

32

Sophomore Year

Speech-Language Pathology 152, 240.....	6
Core Humanities*	6
Psychology 201css	3
Sociology 101css	3
Core Natural/Physical Sciences*	3
Psychology 278	3
Elective	3
Computer Science 167.....	1
English 321.....	3

31

Junior Year

Speech-Language Pathology 242, 300, 417, 418.....	9
Speech-Language Pathology 428, 429, 433	9
Communication Studies 118	3
Core Fine Arts*.....	3
Psychology 401	3
Elective.....	3

30

Senior Year

Speech-Language Pathology 426, 427, 435, 436.....	11
Speech-Language Pathology 470, 480, 485, 490	12
Speech-Language Pathology 445uc	3
Psychology 403	3
Sociology 425	3

32

Total hours for degree, 125.

*Students should see University Core Curriculum.

Proposed Catalog Content:

ADMISSION TO PRE-SPEECH-LANGUAGE PATHOLOGY

Applicants for admission to Pre-Speech-Language Pathology curriculum must meet the general admission requirements for admission to the University. Applications are to be submitted to the University Admissions Office.

Progression of Majors in Speech-Language Pathology

Students enrolled in this curriculum are not eligible for American Speech-Language-Hearing Association (ASHA) certification upon completion of the degree plan. Graduate work is necessary to secure the Certificate of Clinical Competence (CCC) professional credentials. All Speech-Language Pathology courses must have a “C” or better upon graduation. A course transferred from another institution must show a grade of “C” or better in order to be considered for SPLP credit. Only approved 100 and 200 level courses may be transferred.

Beginning Summer I, 1995, all students declaring a SPLP major must meet the following requirements before applying for regular admission to the degree program: 1) satisfactory completion of any required developmental course, 2) satisfactory completion of all courses under the “Freshman Year” requirements of the SPLP curriculum, 3) satisfactory completion of all special requirements of the SPLP major. These special requirements include a) completion of SPLP 113, 152, 201, and 202 with a “C” or better; b) completion of a speech, language, and hearing screening test; c) an uncorrected cumulative GPA of 2.75 or better; d) an uncorrected GPA of 3.0 or better in the 100- and 200-level SPLP courses, e) SPLP faculty approval. Note that meeting the basic requirements does not guarantee that the student will be selected to progress to upper-level SPLP courses. The above requirements also apply to transfer students. Applications for regular admission will be reviewed only in the fall semester. Applications are to be completed with the student’s adviser and forwarded to the department head by October 20 for review.

Speech-Language Pathology courses, with the exception of practica and directed studies, can be repeated only one time. Before enrollment in SPLP 402 a student must have 1) completed a speech, language, and hearing screening while enrolled in SPLP 113, 2) completed all courses required during the freshman and sophomore years as stated in the catalog; 3) completed 25 hours of supervised observation at approved settings; 4) a cumulative, uncorrected grade point average of 2.75 or better, and 5) an uncorrected grade point average of 3.0 or better in SPLP 113, 152, 201, 202, 401, 428, and 433.

Freshman Year	Hrs.
University Seminar 101.....	(1)
Core English Composition*	6
Core Humanities*	3
Mathematics 111cm or 113cm	3
Mathematics 116*	3
Core Physical/Natural Sciences*	6
Speech-Language Pathology 113, 201.....	6
Kinesiology Elective	1
Kinesiology 201	1
Computer Science 170.....	(3)
	29
 Sophomore Year	
Speech-Language Pathology 152, 202.....	6
Core Humanities*	6
Psychology 201css	3

Sociology 101css	3
Core Natural/Physical Sciences*	3
Psychology 278	3
Elective	3
HLST 201.....	1
HLST 202	3
AHSC 200.....	2

33

Junior Year

Speech-Language Pathology 401.....	3
Speech-Language Pathology 428, 433	6
HLST 301, 302, 303.....	7
Communication Studies 118	3
Core Fine Arts*.....	3
Psychology 401	3
English 321.....	3
	28

Senior Year

Speech-Language Pathology 402.....	3
Speech-Language Pathology 403	3
Speech-Language Pathology 404	3
CMST 404 or 426	3
HLST 401, 402, 405, 406.....	11
Psychology 403	3
Sociology 425	3
Electives.....	6
	35

Total hours for degree, 125.

*Students should see University Core Curriculum.

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

12. THE DEPARTMENT OF SPEECH LANGUAGE PATHOLOGY requests:

Presenter:	J. Boulton
Action:	CREATE course SPLP 444 (Structure of the English Language)
Proposed Course Description:	
444. STRUCTURE OF THE ENGLISH LANGUAGE. 3 cr. The principles of English linguistics including phonology, semantics, syntax, and pragmatics with a focus on meaning and structure. Prerequisite: Permission of Department Head.	
Credit Hours:	3
Current Level:	U/G
Activity Type:	LEC/Online
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	102
First Term Offered:	102
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	STRUCT OF ENG LANG
UCC Decision:	Approved
Notes:	

13. THE DEPARTMENT OF AGRICULTURE requests:

Presenter:	J. Cassey
Action:	Remove minors Agriculture, Agronomy, Equine Science, Agriculture Economics, Animal Science
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved

Notes:	
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14. **THE DEPARTMENT OF AGRICULTURE** requests:

Presenter:	J. Cassey
Action:	Remove catalog Content
<u>Content to Remove:</u>	
<p>-- page 88 This curriculum is designed to provide maximum flexibility through the selection of appropriate application electives and will allow students to obtain a minor in the following areas: Agriculture, Agronomy, or Animal Science. In fulfilling the requirements for the Bachelor of Science Degree in Agribusiness, students receive a minor in Agriculture.</p>	
<p>-- page 89 *Agribusiness majors must elect from Social Science Core Group I courses. See Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog. **Agribusiness majors should see Core Curriculum requirements in the College of Arts and Sciences Core Curriculum section of the catalog.</p>	
<p>-- page 152</p> <p style="text-align: center;">Undergraduate Requirements</p> <p>Required for Agribusiness: Agriculture 101 or 103; 110, 301, 310; Agricultural Business 201, 203, 305, 307, 310, 423, 461; Agronomy 201, 411; Animal Science 101; and 23 additional hours of approved application electives. A maximum of 6 hours of AGRI 411, 412, 413, or 495 may be applied toward the B.S. Degree. Total of 65 semester hours.</p> <p>Required for a minor in Agriculture: 20 semester hours selected from courses in Agriculture, Agricultural Business, Agronomy or Animal Science.</p>	
<p>-- page 152 Required for an Agricultural Economics minor: 21 semester hours of Agricultural Economics courses.</p>	
<p>-- page 153 Required for an Agronomy minor: Agriculture 101 or 103; Agronomy 201, 411, and 8 additional semester hours selected from: Agriculture 406, 429, 430; Agronomy: 301, 308, 309, 406, 413, or 414. Total of 20 semester hours.</p>	
<p>-- page 153 Required for an Animal Science minor: 101, 307, 309, 341, 401, and 430. Total of 20 semester hours.</p>	
<p>-- page 179 Required for an Equine Science minor: 20 semester hours selected from Equine Science courses. Total of 20 semester hours.</p>	

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

15. THE DEPARTMENT OF AGRICULTURE requests:

Presenter:	J. Cassey
Action:	CHANGE in Degree Plan for Agribusiness
Current Degree Plan:	
Freshman Year	Hrs.
Agriculture 101 or 103; 110	5
Animal Science 101	4
Agricultural Business 201, 203.....	7
Core English Composition**	6
Mathematics 111cm, 116cm	6
Computer Science 170.....	3
UNIV 101	(1)
	31
Sophomore Year	
Accounting 212.....	3
Agricultural Business 305.....	3
Agronomy 201	4
Biology 120cnp, 121	4
Chemistry 101cnp, 103; 105, 106 or 107cnp, 109; 108cnp, 110	8
Core Social Science Course*	3
Core Humanities **.....	6
	31
Junior Year	
Accounting 213.....	3
Agricultural Business 307, 310.....	6
Agriculture 301	3
Application Electives	7

Economics 201, 202.....	6
Core Humanities**	3
Core Fine Arts**	3
	31

Senior Year

Agriculture 310	1
Agricultural Business 423, 461.....	7
Application Electives	16
Agronomy 411	4
University Capstone 300uc	3
	31

Total hours for degree, 124.

AGRIBUSINESS

Proposed Degree Plan:

Freshman Year	Hrs.
Agricultural Business 101, 201.....	8
Core English Composition**	6
Mathematics 111 ^{cm} , 116 ^{cm}	6
Agricultural 101.....	4
Core Natural/ Physical Science	6
UNIV 101	(1)
	30

Sophomore Year

Accounting 212.....	6
Core Fine Arts.....	3
Agricultural Business 203, 305.....	6
Core Natural/ Physical Science**	3
Economics 201 and 202	6
Core Social Science**	3
Core Humanities **	6
	30

Junior Year

Accounting 213	3
Agricultural Business 307, 310.....	6
Agricultural/General Business Elective.....	3
Core Humanities**	3
Electives	15
	30

Senior Year

Agricultural Business 423, 461.....	7
University Capstone	3
Electives	20
	30

Total hours for degree, 120.	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

16. THE SCHOOL of VAPA: DIVISION OF ART requests:

Presenter:	No Representative
Action:	CHANGE in Credits of FCSC 316 (HOUSING)
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	TABLED
Notes:	No representation at meeting.

17. THE DEPARTMENT OF GENERAL STUDIES CURRICULA requests:

Presenter:	J. Perrer
Action:	CHANGE title in the Degree Plan and degree requirements from “Required Courses” to “General Requirements” (pages 94-95 of Undergraduate Catalog)

Current Catalog Content: REQUIRED COURSES	
Proposed Catalog Content: GENERAL REQUIREMENTS	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	APPROVED
Notes:	This title change in degree plan replaces previous approved title change in October 2009 UCC Minutes.

18. THE DEPARTMENT OF HISTORY requests:

Presenter:	R. Brown
Action:	CHANGE Degree Plan for History
Current Degree Plan:	
HISTORY	
Freshman Year Hrs.	
Core English Composition*	6
History 111 ^{ch} , 112 ^{ch}	6
Kinesiology Activity	1
Core Mathematics *	6
Core Natural/Physical Science (Including Lab)*.....	4
Core Fine Arts Elective*	3
Minor/Electives	6
UNIV 101	(1)
	32
Sophomore Year	
English 203 ^{ch} , 204 ^{ch} or 205 ^{ch} , 206 ^{ch}	6
History 201 ^{ch} , 202 ^{ch}	6
Core Social Science*	6
Core Natural/Physical Science*	6
Minor/Electives	6
	30
Junior Year	
University Capstone 300 ^{uc}	3

History (U.S.)	9
Foreign Language	6
Minor/Elective.....	3
Communication Studies 201	3
Geography 101, 102.....	6
	30

Senior Year

History Electives.....	6
History (non-U.S.).....	9
Political Science 201, 202	6
Foreign Language	6
Minor/Electives	6
	33

Total hours for degree, 125.

Proposed Catalog Content:

HISTORY

Freshman Year Hrs.

Core English Composition*	6
History 111 ^{ch} , 112 ^{ch}	6
Core Mathematics *	6
Core Natural/Physical Science*	3
Core Fine Arts Elective*	3
Minor/Electives	6
UNIV 101	(1)
	30

Sophomore Year

English 203 ^{ch} , 204 ^{ch} or 205 ^{ch} , 206 ^{ch}	6
History 201 ^{ch} , 202 ^{ch}	6
Core Social Science*	6
Core Natural/Physical Science*	6
Minor/Electives	6
	30

Junior Year

University Capstone 300 ^{uc}	3
History (U.S.)	9
Foreign Language	6
Minor/Elective.....	3
Communication Studies 201	3
Geography 101, 102.....	6
	30

Senior Year

History Electives.....	6
History (non-U.S.).....	9
Political Science 201, 202	6
Minor/Electives	9

30	
Total hours for degree, 120.	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	APPROVED
Notes:	

19. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter:	P. JONES
Action:	CLOSE and REMOVE discipline specific science courses from Courses of Instruction
Close and Remove:	
SCIE 101 (INTEGRATED PHYSICAL SCIENCE I (INTEGRATED PHYSICS))	
SCIE 102 (INTEGRATED PHYSICAL SCIENCE II (INTEGRATED CHEMISTRY))	
SCIE 103 (INTEGRATED BIOLOGICAL SCIENCE)	
SCIE 104 (INTEGRATED GEOSCIENCE)	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	APPROVED

Notes:	
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20. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter:	P. JONES
Action:	REMOVE courses from University Core Requirements – Core Natural/Physical Sciences on page 84 of Undergraduate Catalog
REMOVE FROM CATALOG: (pg 84 of Catalog)	
Integrated Science* 101, 102, 103, 104	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	APPROVED
Notes:	

21. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter:	P. JONES
Action:	CREATE course BIOL 150 (INTEGRATED BIOLOGY FOR EDUCATION MAJORS)
Course Description:	
<p>150. INTEGRATED BIOLOGY FOR EDUCATION MAJORS. 3 cr. A course for non-science education majors designed to focus on basic concepts and principles of the biological sciences. Emphasis is on the history and methods of biological sciences, basic chemistry and physiology of living systems, ecological principles and related environmental issues, and biodiversity. For Elementary Education Majors only. (Formerly SCIE 103)</p>	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	104

First Term Offered:	111
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INTEGRATED BIOLOGY
UCC Decision:	APPROVED
Notes:	

22. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter:	P. JONES
Action:	CREATE course CHEM 150 (INTEGRATED CHEMISTRY FOR EDUCATION MAJORS)
Course Description:	150. INTEGRATED CHEMISTRY FOR EDUCATION MAJORS. 3 cr. Fundamental concepts of chemistry with an emphasis on the interdisciplinary nature of the concepts introduced. Integrated lecture/lab format. For Elementary Education Majors only. F. Sp. (Formerly SCIE 102)
Credit Hours:	3
Current Level:	U
Activity Type:	LEC/LAB
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	104
First Term Offered:	111
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INTEGRATED CHEMISTRY
UCC Decision:	APPROVED
Notes:	

23. THE DEPARTMENT OF CHEMISTRY requests:

Presenter:	R. Thurlkill
Action:	CREATE A NEW CONCENTRATION: Biochemistry Concentration CHANGE B.S. in Chemistry Non-ACS Certified degree requirements to reflect addition of Biochemistry Concentration. CHANGE B.S. in Chemistry ACS Certified Chemistry degree requirements to reflect addition of Biochemistry

	Concentration.
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	TABLED
Notes:	

24. **THE DEPARTMENT OF CHEMISTRY** requests:

Presenter:	R. Thurlkill
Action:	COURSE PREREQUISITE CHANGES: CHEMISTRY 220. INTRODUCTION TO PHYSICAL CHEMISTRY
<u>CURRENT CONTENT:</u> 220. INTRODUCTION TO PHYSICAL CHEMISTRY. 3 cr. Discussion of basic chemical principles, including thermodynamics, kinetics, equilibrium, and quantum mechanics, with applications to biological molecules. Three hours lecture. Prerequisites: "C" or better in CHEM 108. F, Sp, Su2	
<u>PROPOSED CONTENT:</u> 220. INTRODUCTION TO PHYSICAL CHEMISTRY. 3 cr. Discussion of basic chemical principles, including thermodynamics, kinetics, equilibrium and quantum mechanics, with applications to biological molecules. Three hours lecture. Prerequisites: MATH 114 or 131, PHYS 203 or 207, and a "C" or better in CHEM 108. Sp, odd	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	FALL 2010
First Term Offered:	

Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	TABLED
Notes:	

25. **THE DEPARTMENT OF CHEMISTRY** requests:

Presenter:	R. Thurlkill
Action:	<u>DEGREE PLAN CHANGE:</u> B.S. in Chemistry To remove Kinesiology Activities from Senior Year which will reduce number of hours in Senior Year Degree Plan.

CURRENT CONTENT:

Page 90 of Undergraduate Catalog

CHEMISTRY

Note: On any line below, if ACS-Certified Concentration and Non-ACS-Certified courses differ, the Non-ACS Certified courses are listed in brackets { }.

Freshman Year Hrs.

Chemistry 107cnp, 109; 108cnp, 110	8
Core English Composition*	6
Mathematics 113, 131 or {Mathematics 113, 114}cm	7 {6}
Core Social Science (Group 1)*	3
Core Natural/Physical Science (Biological Science)*	3
Core Humanities*	6
UNIV 101	(1)
	33 {32}

Sophomore Year

Chemistry 230, 231, 232, 233, 240, 241	13
Mathematics 132; 232 or 301 and 1 hr. elective; or {Electives}	8
Physics 207, 208 or {203, 204}	6
Physics 209, 210	2
Core Fine Arts*	3
	32

Junior Year

Chemistry {220}; 310; 350; 351	8 {11}
Chemistry 320, 321, 322, 323 or {Electives 300-level or above}	8
Computer Science Elective	3

Core Humanities*	3
Foreign Language	3
Core Social Science (Group 2)*	3
	28 {31}

Senior Year

Chemistry 431, 407, 499	9
Chemistry 413 or {Elective}	3
Electives	13{11}
Kinesiology Activities	2
Foreign Language (Same Language)	3
Chemistry 400uc	1
	31 {29}

Total hours for degree, 124.

*Students should see Arts and Sciences Core Curriculum section for requirements.

PROPOSED CONTENT:

CHEMISTRY

Note: On any line below, if ACS-Certified Concentration and Non-ACS-Certified courses differ, the Non-ACS Certified courses are listed in brackets { }.

Freshman Year Hrs.

Chemistry 107cnp, 109; 108cnp, 110	8
Core English Composition*	6
Mathematics 113, 131 or {Mathematics 113, 114}cm	7 {6}
Core Social Science (Group 1)*	3
Core Natural/Physical Science (Biological Science)*	3
Core Humanities*	6
UNIV 101	(1)
	33 {32}

Sophomore Year

Chemistry 230, 231, 232, 233, 240, 241	13
Mathematics 132; 232 or 301 and 1 hr. elective; or {Electives}	8
Physics 207, 208 or {203, 204}	6
Physics 209, 210	2
Core Fine Arts*	3
	32

Junior Year

Chemistry {220}; 310; 350; 351	8 {11}
Chemistry 320, 321, 322, 323 or {Electives 300-level or above}	8
Computer Science Elective	3
Core Humanities*	3
Foreign Language	3
Core Social Science (Group 2)*	3

	28 {31}
Senior Year	
Chemistry 431, 407, 499	9
Chemistry 413 or {Elective}	3
Electives.....	13{11}
Foreign Language (Same Language)	3
Chemistry 400uc	1
	29 {27}
Total hours for degree, 122.	
*Students should see Arts and Sciences Core Curriculum section for requirements.	

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	TABLED
Notes:	

26. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter:	P. JONES
Action:	CREATE course GEOS 150 (INTEGRATED GEOSCIENCES FOR EDUCATION MAJORS)
Course Description:	150. INTEGRATED GEOSCIENCES FOR EDUCATION MAJORS. 3 cr. The goal of this course is to present an integrated approach to essential concepts in introductory geology (physical and historical geology), astronomy (from an earth science perspective), and weather. Personal applications of science, process skills, problem-solving, and discovery learning are also emphasized. For Elementary Education Majors only. (Formerly SCIE 104)
Credit Hours:	3
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	3

Cross-Listed:	
Change Effective:	104
First Term Offered:	111
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INTGD. GEOSCIENCE
UCC Decision:	APPROVED
Notes:	

27. THE DEPARTMENT OF MATHEMATICS AND PHYSICS requests:

Presenter:	P. JONES
Action:	CREATE course PHYS 150 (INTEGRATED PHYSICS FOR EDUCATION MAJORS)
Course Description: 150. INTEGRATED PHYSICS FOR EDUCATION MAJORS. 3 cr. Basic concepts and principles of physics, in particular, force and motion, energy, light, fluids, electricity and magnetism. Personal applications of science, process skills, problem-solving, and discovery learning are also emphasized. Integrated lecture/lab format. For Elementary Education Majors only. (Formerly SCIE 101)	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC/LAB
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	104
First Term Offered:	111
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INTEGRATED PHYSICS
UCC Decision:	APPROVED
Notes:	

28. THE DEPARTMENT OF MILITARY SCIENCE requests:

Presenter:	
Action:	SEVERAL CHANGES including the creation of several courses (MILS114, MILS 115, MILS 215 and MILS 216)

	and course titles change to MILS 310, 410, 412
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	TABLED
Notes:	No representative attended meeting, questions of objective in course syllabi and need for course changes.

29. THE DEPARTMENT OF EDUCATIONAL LEADERSHIP AND COUNSELING REQUESTS:

Presenter:	
Action:	CREATE new course LSTS 502 (Module 1: Turnaround Concept, Core Essentials and Tools)
Description:	502. MODULE 1: TURNAROUND CONCEPT, CORE ESSENTIALS AND TOOLS. 3 cr. This course is open to principals who are certified in accordance with Louisiana Department of Education Bulletin 746 that qualify through the Louisiana School Turnaround Specialist Program application process. This course serves as an introduction to school turnaround and provides field-based experiences to initiate school turnaround in the principal's current school. Prerequisite: Approval of Louisiana Department of Education through selection process.
Credit Hours:	3
Current Level:	Grad
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	N/A
Change Effective:	101
First Term Offered:	101
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	

Abbreviated Course Title:	LA TURNAROUND MOD 1
UCC Decision:	Approved
Notes:	

30. THE DEPARTMENT OF COMPUTER INFORMATION SYSTEMS REQUESTS:

Presenter:	W. Barnett
Action:	CREATE new course CINS 345 (Information Security Practice)
Description: 345. INFORMATION SECURITY PRACTICE. 3 cr. An application oriented study of advanced practices and procedures for the design, development, and deployment of organizational information security and assurance measures. Prerequisite: CINS 344 or permission of instructor. Sp.	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC/LAB
Maximum Hours To Be Earned:	3
Cross-Listed:	N/A
Change Effective:	102
First Term Offered:	111
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INFO. SEC. PRACTICE
UCC Decision:	Approved
Notes:	

31. THE DEPARTMENT OF COMPUTER SCIENCE REQUESTS:

Presenter:	L. Smith
Action:	CHANGE catalog content on page 104
Current Content: d. <u>Bioinformatics</u> : CHEM 108, BIOL 220, BIOL 305. Students selecting the bioinformatics area must take CHEM 107 as their science elective. Students are also advised to take MATH 420 in lieu of MATH 303/CSCI 350.	
Proposed Content: d. <u>Bioinformatics</u> : CHEM 108, BIOL 220, BIOL 305. Students selecting the bioinformatics area must take CHEM 107 as their science elective. Students are also advised to take MATH 420 in lieu of MATH 303/CSCI 350. e. <u>Information Security</u> : CINS 344, CINS 345, MATH 409	

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

32. THE DEPARTMENT OF ACADEMIC AFFAIRS REQUESTS:

Presenter:	L. Smith
Action:	Remove Family and Consumer Science Programs
<u>Content to Remove:</u>	
<p>No FCSC 300 or 400 level courses will be scheduled until all freshmen and sophomore requirements are met. Concentrations include: Family Life / Child Development, Interior Design, and Bachelor of Science in Family and Consumer Science Education. Coursework for these areas is listed in the Courses of Instruction section of the catalog.</p>	
Freshman Year	Hrs.
Family and Consumer Sciences 104, 105, 113, 115, 114 or 116, 117	13
Core Humanities*	3
Computer Science 170.....	3
Core English Composition*	6
Mathematics 111cm and 112cm, 116cm or 118cm	6
UNIV 101	(1)
	31
Sophomore Year	
Family and Consumer Sciences 206	3
Core Humanities*	6
Core Social Science*	6
Core Fine Arts*.....	3
Core Natural/Physical Science*	6
Specialty Electives	7
Applied Electives	3

	34
Junior Year	
Science Core Natural/Physical Science*	3
Communication Studies 201	3
Specialty Electives	14
Applied Electives	9
	29
Senior Year	
University Capstone 300uc	3
Family and Consumer Sciences 404	2
Specialty Electives	16
Applied Electives	9
	30
Total hours for degree, 124.	

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

33. THE DEPARTMENT OF KINESIOLOGY REQUESTS:

Presenter:	M. Doherty
Action:	<u>REMOVE CONCENTRATIONS FROM CATALOG:</u> Fitness and Sports Studies Concentration Health Promotion/Disease Prevention <u>ADD NEW CONCENTRATION TO CATALOG:</u> Fitness and Sports Industry (Page 21 – Undergraduate Degrees and Certificates and Page 110 – College of Education Degrees Listing, and pages 120-123 Kinesiology Degree Plans))
Current Content:	
Kinesiology Concentrations:	B.S. Kinesiology

Health and Physical Education (Certification) Exercise Science Exercise Science/Pre-Physical Therapy Health Promotion/Disease Prevention Fitness and Sports Studies	
Proposed Content: Kinesiology B.S. Kinesiology Concentrations: Health and Physical Education (Certification) Exercise Science Exercise Science/Pre-Physical Therapy Fitness and Sports Industry	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Fall 2010
First Term Offered:	
Last Term Offered:	Last student expected to graduate from Health Promotion/Disease Prevention Concentration in Summer 2010
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	
Notes:	This item is just to make changes to Catalog to reflect November 2009 approvals to add and close concentrations.

34. THE DEPARTMENT OF KINESIOLOGY REQUESTS:

Presenter:	M. Doherty
Action:	CHANGE catalog content on page 120-123 and Degree Plan for Kinesiology
<u>Proposed Content:</u> DEPARTMENT OF KINESIOLOGY Andrews, Doherty, Campbell, Church, Clark, Colvin, Coyne, Lemoine, L. Thomas, R. Williamson The Department of Kinesiology offers an undergraduate professional teacher education concentration in health and physical education, and non-certification concentrations in exercise science, exercise science/pre-physical therapy, and fitness and sports industry. Coursework for these areas is listed in the Courses of Instruction section of this catalog. For information on	

graduate programs in the Department of Kinesiology, contact the Director of Graduate School, the University of Louisiana at Monroe.

Students expecting to earn the Bachelor's degree in Kinesiology in the Health and Physical Education Certification concentration area must meet all eligibility requirements for initial licensure in Louisiana prior to student teaching and submit scores on PRAXIS I and II.

Kinesiology teacher candidates must make a "C" or better in all courses counting towards their degree. Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in Exercise Science Pre- Physical Therapy are required to take the ACSM Health Fitness Specialist (HFS) examination, or a departmentally-approved exit exam, as determined by their advisor.

Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in Exercise Science are required to take the ACSM Health Fitness Specialist (HFS) examination, or a departmentally-approved exit exam, as determined by their advisor. Students expecting to earn the Bachelor's degree in Kinesiology with a concentration in Fitness and Sports Industry are required to take either the ACSM Certified Personal Trainer (CPT) examination, the NSCA Certified Personal Trainer (CPT) examination, or a departmentally-approved exit exam, as determined by their advisor.

Kinesiology majors must make a "C" or better in all Kinesiology courses counting towards their degree and are required to purchase and regularly update their student account on Task Stream.

KINESIOLOGY

Concentrations include: Health and Physical Education Certification, Exercise Science, Exercise Science/Pre-Physical Therapy, and Fitness and Sports Industry.

The Health and Physical Education Certification Concentration prepares students to teach K-12 health and physical education by providing coursework and experiences in the areas of health and physical education. Required for a major in Kinesiology with a concentration in Health and Physical Education Certification: PSYC 203, PSYC 205; DANC 301; ENGL 205; HIST 111; HIST 201 or 202; PSYC 301; CURR 285, CURR 386; KINS 202, KINS 306, KINS 319, KINS 333, KINS 334, KINS 335, KINS 355, KINS 403, KINS 417, KINS 431, KINS 446; CURR 375A, CURR 483A, CURR 456; READ 418A. - Total of 46 semester hours.

The Exercise Science Concentration prepares students for careers in applied and clinical preventive settings, including, but not limited to, cardiac rehabilitation, hospital-based wellness programs, community fitness centers, or university and corporate wellness programs, as well as entry into graduate exercise science programs. Required for a major in Kinesiology with a concentration in Exercise Science: KINS 318; KINS 402, 410 or 441 or 444; KINS 435; CHEM 102, 103, 104; 6-hour sequence of approved science electives; FCSC 207 or NURS 280 or MGMT 301 or MGMT 305 or CMST 201 or ENGL 321 or AHSC 200. - Total of 43 semester hours.

The Exercise Science/Pre-Physical Therapy Concentration prepares students for the application process to physical therapy programs. However, it will also prepare students for careers in the applied and clinical preventive settings, including, but not limited to cardiac rehabilitation, hospital-based wellness programs, community fitness centers, or university and corporate wellness programs. Required for a major in Kinesiology with a concentration in Exercise Science/Pre-Physical Therapy: KINS 318, KINS 402, KINS 410 or 441 or 443 or 444, KINS 434, KINS 435; CHEM 108, CHEM 109, CHEM 110; PHYS 203, PHYS 204, PHYS 209, PHYS 210; BIOL 214; AHSC 200; BIOL 114, BIOL 115, BIOL 116, BIOL 117; CMST 201 or ENGL 321 or PSYC 439 - Total of 44 semester hours. Students intending to pursue entry into a physical therapy program will be required to take additional hours and make substitutions as recommended by their academic advisor.

Fitness and Sports Industry Concentration prepares students with a background in fitness or sport and business. Professionals in this field are involved with managing, promoting and marketing health clubs, fitness centers or sports teams. Required for a major in Kinesiology with a

concentration in Fitness and Sports Studies: KINS 202, KINS 308, KINS 318, KINS 319, KINS 335 or 355, KINS 419, KINS 435, CMST 201, and 21 hours of electives to be chosen from the following: MGMT 301, MGMT 305, BUSN 101, BUSN 305, ACCT 101, ACCT 212, ACCT 213, MRKT 301, MRKT 307, MRKT 407, MCOM 201, MCOM 202, ECON 103, ECON 201, or ENGL 321- Total of 47 semester hours.

KINESIOLOGY

(Concentration: Health and Physical Education Certification)

Freshman Year	Hrs.
English 101 _{ce} , 102 _{ce}	6
Mathematics 111 _{cm}	3
Mathematics 112 _{cm} or 116 _{cm} or 118 _{cm}	3
Psychology 201 _{cs}	3
History 111 _{ch} , 201 or 202 _{ch}	6
Curriculum 285	3
Kinesiology 201, 211	4
Biology 114 _{cnp}	3
University Seminar 101	(1)
	31
Sophomore Year	
Psychology 203 _{cs} , 205 _{cs}	6
Dance 301 _{cf}	3
Biology 115 _{cnp}	3
Kinesiology 202, 241	5
Kinesiology 306, 312, 321, 333, 355	14
	31
Junior Year	
English 205 _{ch}	3
Psychology 301 _{uc}	3
Physical Science/Physics/Chemistry Elective _{cnp}	3
Kinesiology 319, 335, 365	8
Kinesiology 403, 411, 417, 432, 446	15
	32
Senior Year	
Curriculum 375A, 386	4
Curriculum 456	9
Curriculum 483A	3
Reading 418A	3
Kinesiology 334, 408, 431, 437	12
	31

Total hours for degree, 125.

KINESIOLOGY

(Concentration: Exercise Science)

Freshman Year	Hrs.
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English 101 _{ce} , 102 _{ce}	6
Mathematics 111 _{cm}	3
Mathematics 112 _{cm} 116 _{cm} or 118 _{cm}	3
Biology 114 _{enp} , 116.....	4
Computer Science 170.....	3
Psychology 201 _{cs}	3
Science Elective.....	3
Kinesiology 201, 211, 221.....	6
University Seminar 101.....	(1)
	31

Sophomore Year

Biology 115 _{enp} , 117.....	4
Core Fine Arts _{cf}	3
Core Social Sciences _{cs}	3
Core Humanities _{cm}	6
Chemistry 101 _{enp} , 103.....	4
Kinesiology 241, 312, 318, 321.....	12
	32

Junior Year

Core Humanities _{ch}	3
Science Elective.....	3
Chemistry 102, 104.....	4
Psychology 278, 401, or 410.....	3
Kinesiology 365, 411, 432, 443.....	12
Concentration Menu.....	6
	31

Senior Year

Concentration Menu.....	10
Kinesiology 402.....	3
Kinesiology 408.....	3
Kinesiology 410 or 441 or 444.....	3
Kinesiology 435.....	6
Kinesiology 437.....	3
Kinesiology 445 _{uc}	3
	31

Total hours for degree, 125.

Concentration Menu

Nursing 280.....	3
Family and Consumer Sciences 207.....	3
Psychology 439.....	3
English 321.....	3
Management 301.....	3
Management 305.....	3
Communication Studies 201.....	3
Allied Health Science 200.....	2

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KINESIOLOGY

(Concentration: Exercise Science/Pre-Physical Therapy)

Freshman Year	Hrs.
English 101 _{ce} , 102 _{ce}	6
Mathematics 111 _{cm}	3
Mathematics 112 _{cm}	3
Biology 114 _{cnp} , 115, 116, 117	8
Psychology 201 _{cs}	3
Kinesiology 201, 211, 221, 241	9
University Seminar 101	(1)
	32
Sophomore Year	
Core Social Sciences _{cs}	3
Chemistry 107 _{cnp}	3
Chemistry 109	1
Core Fine Arts _{cf}	3
Computer Science 170	3
Core Humanities _{ch}	6
Allied Health Science 200	2
Kinesiology 312, 321, 365, 318	12
	33
Junior Year	
Psychology 278, 401, or 410 _{cs}	3
Core Humanities	3
Biology 120 _{cnp} , 121, 122, 123	8
Chemistry 108 _{cnp} , 110	4
Kinesiology 402, 411, 432	9
Kinesiology 410 or 441 or 443	3
CMST 201, ENGL 321, or PSYC 439	3
	33
Senior Year	
Biology 214	3
Physics 203, 204	4
Physics 209, 210	4
Kinesiology 408	3
Kinesiology 434	1
Kinesiology 435, 437	9
Kinesiology 445 _{uc}	3
	27
Total hours for degree, 125.	

KINESIOLOGY (Concentration: Fitness and Sports Industry)

Freshman Year **Hrs.**

English 101 ^{ce} , 102 ^{ce}	6
Mathematics 111 ^{cm}	3
Mathematics 112 ^{cm} or 116 ^{cm} or 118 ^{cm}	3
Biology 101 ^{cnp} or 114 ^{cnp}	3
Biology 110 ^{cnp} or 115 ^{cnp}	3
Core Social Sciences ^{cs}	3
Kinesiology 201.....	1
Kinesiology 202.....	2
Kinesiology 211.....	3
Kinesiology 221.....	2
Kinesiology 241.....	3
University Seminar 101.....	(1)
	32

Sophomore Year

Kinesiology 312.....	3
Kinesiology 318, 319.....	6
Communication Studies 201.....	3
Core Fine Arts ^{cf}	3
Core Natural/Physical Sciences (PSCI/PHYS/CHEM) ^{cnp}	3
Computer Science 170.....	3
Core Social Sciences ^{cs}	6
Core Humanities ^{ch}	6
	33

Junior Year

Kinesiology 308.....	3
Kinesiology 321.....	3
Kinesiology 335 or 355.....	2
Kinesiology 365.....	3
Kinesiology 408.....	3
Kinesiology 411.....	3
Core Humanities ^{ch}	3
Concentration Menu.....	9

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Senior Year

Kinesiology 419.....	3
Kinesiology 432.....	3
Kinesiology 434.....	1
Kinesiology 435.....	6
Kinesiology 437.....	3
Kinesiology 445 ^{uc}	3
Concentration Menu.....	12

31

Total hours for degree, 125.

Concentration Menu	
Management 301.....	3
Management 305	3
Business 101.....	3
Business 305.....	3
Accounting 110.....	3
Accounting 212.....	3
Accounting 213.....	3
Marketing 301	3
Marketing 307	3
Marketing 407	3
Mass Communication 201	3
Mass Communication 202	3
English 321.....	3
Economics 103.....	3
Economics 201.....	3
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	This includes the change in degree plan.

35. THE DEPARTMENT OF KINESIOLOGY REQUESTS:

Presenter:	M. Doherty
Action:	CHANGE catalog content on page 192-194 (COURSES OF INSTRUCTION SECTION)
<p>Proposed Content: KINESIOLOGY (KINS) (Formerly Health and Human Performance) Undergraduate Requirements Required for a major in Kinesiology, all concentrations: Kinesiology 201, 211, 241, 312, 321, 365, 408, 411, 432, 437; and 44-47 semester hours of specific concentration courses. Required for a major in Kinesiology with a concentration in Health and Physical Education Certification: PSYC 203, PSYC 205; DANC 301; ENGL 205; HIST 111; HIST 201 or 202; PSYC 301; CURR 285, CURR 386; KINS 202, KINS 306, KINS 319, KINS 333, KINS 334, KINS 335, KINS 355, KINS 403,</p>	

KINS 417, KINS 431, KINS 446; CURR 375A, CURR 483A, CURR 456; READ 418A. - Total of 46 semester hours.

Required for a major in Kinesiology with a concentration in Exercise Science: KINS 318; KINS 402; KINS 410 or 441 or 444; KINS 435; CHEM 102, 103, 104; 6-hour sequence of approved science electives; FCSC 207 or NURS 280 or MGMT 301 or MGMT 305 or CMST 201 or ENGL 321 or AHSC 200. - Total of 43 semester hours.

Required for a major in Kinesiology with a concentration in Exercise Science/Pre-Physical Therapy: KINS 318, KINS 402, KINS 410 or 441 or 443, KINS 434, KINS 435; CHEM 108, CHEM 109, CHEM 110; PHYS 203, PHYS 204, PHYS 209, PHYS 210; BIOL 214; AHSC 200; BIOL 114, BIOL 115, BIOL 116, BIOL 117; CMST 201 or ENGL 321 or PSYC 439 - Total of 44 semester hours. Students intending to pursue entry into a physical therapy program will be required to take additional hours and make substitutions as recommended by their academic advisor.

Required for a major in Kinesiology with a concentration in Fitness and Sports Industry: KINS 202, KINS 318, KINS 319, KINS 335 or 355, KINS 419, KINS 435, CMST 201, and 21 hours of electives to be chosen from the following: MGMT 301, MGMT 305, BUSN 101, BUSN 305, ACCT 101, ACCT 212, ACCT 213, MRKT 301, MRKT 307, MRKT 407, MCOM 201, MCOM 202, ECON 103, ECON 201, or ENGL 321 - Total of 47 semester hours.

ACTIVITY COURSES

Activity courses meet two hours per week and may be repeated for a maximum of two credit hours.

102. AEROBIC FITNESS. 1 cr. Fitness activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.

105. BADMINTON I. 1 cr. Skills, techniques, and knowledge of beginning badminton.

106. TENNIS I. 1 cr. Skills, techniques, and knowledge of beginning tennis.

108. SOCCER. 1 cr. Skills, techniques, and knowledge of beginning soccer.

109. GOLF I. 1 cr. Skills, techniques, and knowledge of beginning golf.

116. WATER AEROBICS. 1 cr. Water activities that improve cardiorespiratory endurance, flexibility, body composition, muscular strength and endurance.

119. WEIGHT TRAINING I. 1 cr. Skills, techniques, and knowledge of beginning weight training.

(FOR MEN Only)

142. SWIMMING I. 1 cr. Skills, techniques, and knowledge of beginning swimming.

145. BASKETBALL. 1 cr. Skills, techniques, knowledge of beginning basketball.

153. SELF DEFENSE I. 1 cr. Skills, techniques, and knowledge of beginning self defense.

161. WEIGHT TRAINING I. 1 cr. Skills, techniques, and knowledge of beginning weight training.

(FOR WOMEN Only)

For Undergraduates

201. FIRST AID AND CPR. 1 cr. First aid to the victims of accidents, sudden illness, cardiac or respiratory emergencies. First aid and CPR certification granted to those meeting agency requirements. Two hours laboratory. (Formerly First Aid and Personal Safety.)

202. STRENGTH TRAINING FOR SCHOOL AGE CHILDREN. 2 cr. This course is

designed to enhance the candidate's ability to assess and implement safe and appropriate methods in resistance training programs in the school system for children and the adolescent in physical education/athletics. Prerequisite: KINS 211.

211. FOUNDATIONS OF PHYSICAL EDUCATION. 3 cr. Basic understanding and familiarization of health, physical education and recreation as a profession; including historical background, principles, trends, curriculum and professional preparation.

Prerequisite: Kinesiology majors only.

220. LIFEGUARD TRAINING. 3 cr. Designed to train and certify an individual to serve as a non-surf lifeguard and as an aquatic facility manager.

221. CONCEPTS OF PERSONAL WELLNESS. 2 cr. The purpose of this course is to provide learning opportunities for the development of conceptual and functional knowledge of health-related physical fitness and the role it plays in the development and maintenance of human wellness. The health-behavior-gap is examined, and specific emphasis is placed on the individual long-term preventive and rehabilitative benefits derived from lifelong participation in physical activity. Prerequisite: Kinesiology majors only.

233. WATER SAFETY INSTRUCTION. 3 cr. Qualifies individuals to teach and certify American Red Cross Aquatic courses. Prerequisite: 220.

241. PERSONAL AND COMMUNITY HEALTH. 3 cr. An orientation course in health which deals with nutrition, stress, exercise, diseases and their prevention.

253. SELF DEFENSE II. 1 cr. Continued instruction and practice in the various aspects of self defense.

305. TECHNIQUES IN GROUP EXERCISE. 2 cr. This course is designed to examine current trends and techniques used in the field of group exercise. Prerequisite: KINS 211; Kinesiology majors only.

306. INTRODUCTION TO TEACHING HEALTH AND PHYSICAL EDUCATION. 3 cr. Clinical based course where physical education majors examine teaching physical education in diverse settings. Candidates will examine how students and teachers spend their time during physical education and the impact it has on learning. Prerequisite: KINS 211; Kinesiology majors only.

308. Fitness and Sport Facility Management. 3 cr. This course will prepare future facility managers with the essential knowledge and skills required for operating fitness or sport facilities.

312. EXERCISE SCIENCE PHYSIOLOGY I. Acute and chronic physiological changes in response to exercise. Emphasis on the practical application of exercise training for health, fitness and performance. Focus will be directed toward energy for physical activity, energy delivery, utilization and enhancement of energy capacity. Prerequisite: KINS 211. Kinesiology majors only.

318. FITNESS ASSESSMENT TECHNIQUES. 3 cr. This course is designed to provide the exercise professional with the necessary cognitive and laboratory experiences essential for developing safe and accurate physical fitness testing practices. Prerequisite: KINS 211; Kinesiology majors only.

319. INTRODUCTION TO MOTOR LEARNING. 3 cr. The learning of motor skills to facilitate the implementing of appropriate strategies and techniques for instructional, training, and rehabilitation applications. Prerequisite: KINS 211; Kinesiology majors only.

321. SAFETY EDUCATION 3 cr. Enhances the understanding of safety and delivery of age-appropriate safety education. Prerequisite: KINS 211; Kinesiology majors only.

322. SEXUALITY EDUCATION. 3 cr. Enhances the understanding of human sexuality and delivery of age-appropriate sexuality education.

325. DRIVER EDUCATION AND TRAFFIC SAFETY. 3 cr. Administrative problems and policies, instructional methods and materials, accident causes and prevention, and content of a high school course in driver education. Prerequisite: Junior standing.

333. ACTIVITIES FOR ELEMENTARY SCHOOL. 3 cr. Materials, techniques and methods of teaching physical education in elementary schools. Prerequisite: KINS 211; Kinesiology, Family and Consumer Science, and Curriculum and Instruction majors only.

334. METHODS AND MATERIALS IN PHYSICAL EDUCATION. 3 cr. Materials, techniques, and methods of teaching physical education in the three different school levels. Prerequisite: KINS 211; Kinesiology majors only; Admission into Teacher Education

335. TEAM SPORTS. 2 cr. Basic skills, strategies, rules, and teaching procedures of selected team sports. Prerequisite: Health and physical education major. Prerequisite: KINS 211; Kinesiology majors only.

355. LIFETIME SPORTS. 2 cr. Basic skills, rules, strategies, and teaching procedures of selected individual lifetime sports. Prerequisite: KINS 211; Kinesiology majors only.

365. FITNESS. 3 cr. Basic knowledge, values, understanding, and teaching procedures of selected fitness programs. Courses also includes a review of health related fitness testing, risk factors, risk stratification, medical history and HPAA compliance. Prerequisite: KINS 211; Kinesiology majors only.

402. EXERCISE PROGRAM DESIGN. 3 cr. This course is designed to apply the principles of exercise leadership to clinical and preventive settings, with particular emphasis on formulation of the exercise prescription. Prerequisite: KINS 318; junior standing; Kinesiology majors only.

403. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. 3 cr. Purposes and needs of testing with emphasis on techniques and administration of tests in physical education. Prerequisite: KINS 211; junior standing; Kinesiology majors only; Admission into Teacher Education.

406. ADVANCED DRIVER EDUCATION. 4 cr. Curriculum innovations and instructional devices (with lab). In-depth study of curriculum materials and instructional devices and techniques including simulation, multi-media, driving range, on-street instruction, and motorcycle. Instruction in the use of all forms supplied by the State Department of Education. Prerequisites: KINS 325 and junior standing.

408. PHYSICAL ACTIVITY FOR STUDENTS WITH SPECIAL NEEDS. 3 cr. This course examines how physical activities and motor skills can be tasked analyzed and modified to include a wide range of individuals with special needs. Basic knowledge, skills and competencies in Special Education are covered with an emphasis in pedagogical principles. Prerequisite: KINS 211; junior standing; Kinesiology majors only; Admission into Teacher Education

410. EXERCISE IN HEALTH AND DISEASE. 3 cr. Examine the role of physical activity in the prevention of chronic disease. Increased prevalence of disease and decreased physical activity will be examined. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

411. ATHLETIC INJURIES. 3 cr. The prevention and emergency care of athletic injuries. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

417. SCHOOL HEALTH PROBLEMS. 3 cr. School health problems and current programs of prevention and protection against disease. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

419. MODERN FITNESS. 3 cr. Lectures and exercises designed to convert deconditioned people to conditioned status with sufficient basic knowledge to remain conditioned for a lifetime. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

427. TRENDS IN ELEMENTARY PHYSICAL EDUCATION. 3 cr. In-depth study of current trends and practices used in teaching and developing a sound physical education

program in the elementary school. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

431. METHODS AND MATERIALS IN HEALTH EDUCATION. 3 cr. Materials, techniques, and methods of teaching health in schools. Ten (10) hours of classroom observation will be completed during this course. Prerequisite: KINS 211; junior standing; Kinesiology majors only; Admission into Teacher Education

432. ANATOMICAL AND PHYSIOLOGICAL KINESIOLOGY. 3 cr. Application of anatomy and physiology to analysis and improvement of human performance in gross body movement. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

434. PROFESSIONAL DEVELOPMENT IN KINESIOLOGY. 1 cr. This course will prepare candidates in planning professional development activities including resume building, interviewing, portfolio development, and preparing for certification exams.

435. KINESIOLOGY INTERNSHIP 6 cr. Observation and participation in non-teaching physical education, recreational or health related programs for one semester. Prerequisites: KINS 211, 434; senior standing; Kinesiology majors only.

437. PHYSIOLOGY OF EXERCISE. 3 cr. Acute and chronic physiological changes in response to exercise. Emphasis on the practical application of exercise training for health, fitness, and performance. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

441. WORKSITE HEALTH PROMOTION. 3 cr. This course is designed to develop knowledge and awareness of the major issues in the field of worksite health promoting programming, as well as to enhance the ability of future practitioners to develop the professional techniques necessary to fulfill wellness programming needs within corporate fitness/wellness field. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

443. EPIDEMIOLOGY FOR THE COMMUNITY HEALTH EDUCATOR. 3 cr. Introduction to community health education/promotion epidemiology. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

444. HEALTH EDUCATION AND PROMOTION PLANNING. 3 cr. This course will enhance student understanding of community health planning. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

445. CONTROVERSIAL ISSUES IN HEALTH. 3 cr. Enhances student ability to research and debate controversial issues in health. Prerequisites: KINS 211; senior standing; Kinesiology majors only.

446. HEALTH EDUCATION/PROMOTION FOR MULTICULTURAL POPULATIONS. 3 cr. Enhances student ability to deliver health education to multicultural populations. Prerequisites: KINS 211; junior standing; Kinesiology majors only.

For Undergraduates and Graduates

442. HEALTH AND PHYSICAL EDUCATION PROGRAM DEVELOPMENT. 3 cr. This course is designed to foster the examination, discussion and creation of health physical education program development. Prerequisite: Permission of instructor. Education majors only.

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To	

Be Earned:	
Cross-Listed:	
Change Effective:	102
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

36. **THE DEPARTMENT OF TOXICOLOGY** requests:

Presenter:	S. Banks
Action:	CHANGE in Degree Plan for Toxicology
Current Degree Plan:	
TOXICOLOGY	
Freshman Year	Hrs.
Core English Composition*	6
Core Fine Arts*.....	3
Core Mathematics*.....	6
Core Social Science*.....	3
Biology 120 ^{cnp} , 121.....	4
Chemistry 107 ^{cnp} , 108 ^{cnp} , 109, 110	8
Computer Science 170.....	3
UNIV 101	(1)
Total	33
Sophomore Year	
Biology 214, 215; 311; 312, 313.....	10
Chemistry 230, 231, 232, 233	8
Mathematics 116 ^{cm}	3
Physics 203	6
Toxicology 101; 201	6
Total	33
Junior Year	
Core Humanities*	3
Core Social Science*.....	3
Chemistry 240, 241, 350, 407	12
English 320.....	3
Elective**	3
Toxicology 411; 413	4
Total	28
Senior Year	
Core Humanities Elective*	6
Toxicology 301	3

Elective**	3	
Elective**	3	
Toxicology 412, 414, 424, 441, 442, 443,; 491uc	16	
Total		31
Total hours for degree, 125.		

Proposed Degree Plan:

TOXICOLOGY

Freshman Year	Hrs.
Core English Composition*	6
Core Fine Arts*.....	3
Core Mathematics*.....	6
Core Social Science*.....	3
Biology 120 ^{cnp} , 121.....	4
Chemistry 107 ^{cnp} , 108 ^{cnp} , 109, 110	8
Computer Science 170.....	3
UNIV 101	(1)
Total	33
Sophomore Year	
Biology 214, 215; 311; 312, 313.....	11
Chemistry 230, 231, 232, 233	8
Physics 203, 204.....	6
Toxicology 101; 201	6
Total	31
Junior Year	
Core Humanities*	3
Core Social Science*.....	3
Chemistry 350.....	3
Mathematics 116 ^{cm}	3
English 320.....	3
Electives**	6
Toxicology 411; 413	4
CMST 201	3
Total	28
Senior Year	
Core Humanities Elective*	6
Toxicology 301	3
Electives**	3
Toxicology 412, 414, 424, 441, 442, 443, 491 ^{uc}	16
Total	28

Total hours for degree, 120.

Credit Hours:	
Current Level:	
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	104
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

37. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CLOSE and REMOVE PHAR 300 INTRODUCTION TO PHARMACY PHAR 350 PHARMACY ADMINISTRATION PHAR 402 PHARMACEUTICS I PHAR 403 PHARMACEUTICS II PHAR 407 MEDICINAL CHEMISTRY I PHAR 408 IMMUNOLOGY AND BIOTECHNOLOGY PHAR 409 MEDICINAL CHEMISTRY II PHAR 411 PHARMACOLOGY I PHAR 412 PHARMACOLOGY II PHAR 425 DRUG INFORMATION RETRIEVAL AND EVALUATION PHAR 436 PHARMACOLOGY LABORATORY PHAR 447 ETHICS IN PHARMACY PRACTICE PHAR 451 PHARMACY CARE MANAGEMENT
Current Description	
Proposed Description	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	093
Offered Fixed/Variable:	

Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Classes are no longer taught due to new curriculum

38. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 414 (TOP DRUGS AND MEDICAL TERMINOLOGY)
Proposed Description	
414. Top Drugs and Medical Terminology. 1 cr. Introduction to the origin and definition of medical terms used in healthcare settings. Arranged by body and organ systems with a heavy emphasis on pharmacology. Brand/Generic names, dosage forms, strengths, and therapeutic class of current top 200 drugs are covered. Co-Requisites: PHRD 420	
Credit Hours:	1
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	1
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Top Drugs Med Term
UCC Decision:	Approved
Notes:	

39. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and CREDIT HOURS of PHRD 420 (Integrated Lab Sequence I
Current Description	
420. Integrated Lab Sequence I. 2 cr. First in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on medical terminology, microbiology, drug action, therapeutics, calculations, pharmaceuticals, and pathophysiology. Prerequisite: Credit or registration in 400, 402, 404, 406, 410, 412	

Proposed Description	
Integrated Lab Sequence 1 cr. First in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on medical terminology, microbiology, drug action, therapeutics, calculations, pharmaceuticals, and pathophysiology. Prerequisite: Credit or registration in PHRD 400, 402, 404, 406, 410, 412, 414	
Credit Hours:	1
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	1
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Reduced class from 2 hr to 1 hr

40. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 425 (Principles of Immunology)
Current Description	
425. PRINCIPLES OF IMMUNOLOGY. 2 cr. Detailed discussions of the stimulation, production and role of innate and acquired immune responses, health outcomes in immunopathological conditions, and the modulation of immune function using vaccines and other biotechnology products. Prerequisites: 400 and credit or registration in 449.	
Proposed Description	
425. PRINCIPLES OF IMMUNOLOGY. 2cr. Detailed discussions of the stimulation, production and role of innate and acquired immune responses, health outcomes in immunopathological conditions, and the modulation of immune function using vaccines and other biotechnology products. Prerequisites: PHRD 400	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	

Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 449

41. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 427 (Principles of Drug Action)
<p>Current Description 427. PRINCIPLES OF DRUG ACTION II. 3 cr. A continuation of PHRD 402. Prerequisites: Completion of 402 and credit or registration in 449</p> <p>Proposed Description 427. PRINCIPLES OF DRUG ACTION II. A continuation of PHRD 402. Prerequisites: Completion of PHRD 402</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 449

42. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 429 (PHARMACEUTICS II)

Current Description 429. PHARMACEUTICS II. 3 cr. Fundamentals of drug delivery systems. Prerequisites: 408 and credit or registration in 449.	
Proposed Description 429. PHARMACEUTICS II Fundamentals of drug delivery systems. Prerequisites: PHRD 408	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 449

43. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 431 (PHARMACY PRACTICE ETHICS)
Current Description 431. PHARMACY PRACTICE ETHICS AND LAW I. 2 cr. Distinguishes ethical from other kinds of issues in pharmacy, identifies options open to a pharmacist faced with an ethical issue. Students will be introduced to administrative law as it applies to the practice of pharmacy Prerequisite: Credit or registration in 449.	
Proposed Description 431. PHARMACY PRACTICE ETHICS AND LAW I. Distinguishes ethical from other kinds of issues in pharmacy, identifies options open to a pharmacist faced with an ethical issue. Students will be introduced to administrative law as it applies to the practice of pharmacy.	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To	

Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 449

44. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 433 (DRUG INFORMATION RETRIEVAL)
<p>Current Description 433. DRUG INFORMATION RETRIEVAL. 2 cr. Orientation to current drug information systems, appropriate search strategies utilizing primary, secondary and tertiary resources combined with applications of common statistical tests seen in medical literature. Prerequisite: Credit or registration in 449</p> <p>Proposed Description 433. DRUG INFORMATION RETRIEVAL. 2cr. Orientation to current drug information systems, appropriate search strategies utilizing primary, secondary and tertiary resources combined with applications of common statistical tests seen in medical literature.</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved

Notes:	Prerequisite change removes PHRD 449
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45. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 435 (PATHOPHYSIOLOGY II)
<p>Current Description 435. PATHOPHYSIOLOGY II. 3 cr. The student will continue to build on the knowledge from pathophysiology I as complete organ systems are introduced and the impact of diseases on this systems are studied. Prerequisites: 412 and credit or registration in 449.</p> <p>Proposed Description 435. PATHOPHYSIOLOGY II. 3 cr. The student will continue to build on the knowledge from pathophysiology I as complete organ systems are introduced and the impact of diseases on this systems are studied. Prerequisites: PHRD 412</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 449

46. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 447 (PARENTERALS)
<p>Current Description 447. PARENTERALS. 1cr. The course introduces the student to the pharmaceuticals and clinical applications of parenterals. Topics include calculations, aseptic technique, and regulations impacting parenterals. Prerequisites: Credit or registration in 449.</p> <p>Proposed Description 447. PARENTERALS. 1cr. The course introduces the student to the pharmaceuticals and</p>	

clinical applications of parenterals. Topics include calculations, aseptic technique, and regulations impacting parenterals.	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 449

47. **THE COLLEGE OF PHARMACY** requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 450 (COMMUNITY INTRODUCTORY PHARMACY PRACTICE EXPERIENCE.)
<p>Current Description 450. COMMUNITY INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr. The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisite: First year standing</p> <p>Proposed Description 450. COMMUNITY INTRODUCTORY PHARMACY PRACTICE EXPERIENCE The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisite: PHRD 431</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	1003
Last Term Offered:	
Offered	

Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes first year standing and adds PHRD 431

48. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 452 (RESEARCH METHODS AND LITERATURE EVALUATION)
<p>Current Description 452. RESEARCH METHODS AND LITERATURE EVALUATION. 3 cr. Introduction and application of basic concepts of research methodology and design needed for efficient evaluation, utilization and clinical application of medication information available in medical literature. Prerequisites: 433 and credit or registration in 470.</p> <p>Proposed Description 452. RESEARCH METHODS AND LITERATURE EVALUATION. 3 cr. Introduction and application of basic concepts of research methodology and design needed for efficient evaluation, utilization and clinical application of medication information available in medical literature. Prerequisites: PHRD 433</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered	
Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 470

49. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
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Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 454 (INTRODUCTION TO COMMUNICATIONS.)
<p>Current Description 454. INTRODUCTION TO COMMUNICATIONS. 1 cr. Orientation to psychosocial and communication principles and techniques with application to professional practice environments and clinical counseling situations. Prerequisites: 410, 431, 433 and credit or registration in 470.</p> <p>Proposed Description 454. INTRODUCTION TO COMMUNICATIONS. 1 cr. Orientation to psychosocial and communication principles and techniques with application to professional practice environments and clinical counseling situations. Prerequisites: PHRD 410, 431, and 433</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 470

50. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 456. (BIOPHARMACEUTICS AND PHARMACOKINETICS)
<p>Current Description 456. BIOPHARMACEUTICS AND PHARMACOKINETICS. 3 cr. The study of the interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisites: 404 and credit or registration in 470.</p> <p>Proposed Description 456. BIOPHARMACEUTICS AND PHARMACOKINETICS. 3 cr. The study of the interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisites: PHRD 404</p>	

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 470

51. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 458. (NEUROLOGY AND PSYCHIATRY MODULE)
<p>Current Description 458. NEUROLOGY AND PSYCHIATRY MODULE. 5 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to neurology/psychiatric drug therapy management. Prerequisites: Second year standing and credit or registration in 470.</p> <p>Proposed Description 458. NEUROLOGY AND PSYCHIATRY MODULE. 5 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to neurology/psychiatric drug therapy management. Prerequisites: Second year standing</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	

Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 470

52. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 474. (ENDOCRINE MODULE)
<p>Current Description 474. ENDOCRINE MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to endocrine drug therapy management. Prerequisites: credit or registration in 458 and 470.</p> <p>Proposed Description 474. ENDOCRINE MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to endocrine drug therapy management. Prerequisites: credit or registration in PHRD 458</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 470

53. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 477. (HEALTH CARE SYSTEMS)
<p>Current Description 477. HEALTH CARE SYSTEMS. 3 cr. An overview of the structure, organization, delivery, and financing of the U.S. health care system, managed health care and pharmacy services combined with the role of the pharmacist. Prerequisite: Credit or registration in 499.</p> <p>Proposed Description 477. HEALTH CARE SYSTEMS. 3 cr. An overview of the structure, organization, delivery, and financing of the U.S. health care system, managed health care and pharmacy services combined with the role of the pharmacist.</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 499

54. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 479. SELF CARE/PATIENT ASSESSMENT I MODULE
<p>Current Description 479. SELF CARE/PATIENT ASSESSMENT I MODULE. 4 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: Second year standing and credit or registration in 499</p> <p>Proposed Description 479. SELF CARE/PATIENT ASSESSMENT I MODULE. 4 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self</p>	

care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: Second year standing	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 499

55. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 481. (INFECTIOUS DISEASES MODULE)
<p>Current Description 481. INFECTIOUS DISEASES MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to infectious diseases drug therapy management. Prerequisites: Second year standing and credit or registration in 499.</p> <p>Proposed Description 481. INFECTIOUS DISEASES MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to infectious diseases drug therapy management. Prerequisites: Second year standing</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	

Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 499

56. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 483.)GASTROINTESTINAL, NUTRITION, AND HEPATIC MODULE)
<p>Current Description 483. GASTROINTESTINAL, NUTRITION, AND HEPATIC MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to Gastrointestinal and Hepatic disease drug therapy management. Nutrition will also be covered. Prerequisites: 458 and credit or registration in 499.</p> <p>Proposed Description 483. GASTROINTESTINAL, NUTRITION, AND HEPATIC MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to Gastrointestinal and Hepatic disease drug therapy management. Nutrition will also be covered. Prerequisites: PHRD 458</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 499

57. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 502. (PHARMACY PRACTICE ETHICS AND LAW II)
<p>Current Description 502. PHARMACY PRACTICE ETHICS AND LAW II. 2 cr. This course reviews the principles of ethics as they apply to pharmacy practice. Students will focus primarily on the law as it applies to drugs, medical devices, and the practice of pharmacy. Prerequisites: 431 and credit or registration in 520</p> <p>Proposed Description 502. PHARMACY PRACTICE ETHICS AND LAW II. 2 cr. This course reviews the principles of ethics as they apply to pharmacy practice. Students will focus primarily on the law as it applies to drugs, medical devices, and the practice of pharmacy. Prerequisites: PHRD 431</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 520

58. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 504. (ADVANCED COMMUNICATION)
<p>Current Description 504. ADVANCED COMMUNICATION. 2 cr. Application of techniques and strategies for patient-centered and colleague-centered communication with an emphasis is on skills that enable development and maintenance of constructive interpersonal relationships in a variety of pharmacy practice settings. Prerequisites: 454 and credit or registration in 520</p>	

Proposed Description	
504. ADVANCED COMMUNICATION. 2 cr. Application of techniques and strategies for patient-centered and colleague-centered communication with an emphasis is on skills that enable development and maintenance of constructive interpersonal relationships in a variety of pharmacy practice settings. Prerequisites: PHRD 454	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 520

59. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE DESCRIPTION and PREREQUISITES of PHRD 506 (PROFESSIONAL PHARMACY MANAGEMENT)
Current Description	
506. PROFESSIONAL PHARMACY MANAGEMENT. 3 cr. Examination of the managerial aspects of pharmacy practice within the health care system with an emphasis on the basic financial, operational, and human resource management, knowledge, and skills necessary for a successful professional practice. Prerequisites: 477 and credit or registration in 520.	
Proposed Description	
506. PROFESSIONAL PHARMACY MANAGEMENT. 3 cr. Examination of the managerial aspects of pharmacy practice within the health care system with an emphasis on the basic financial, operational, and human resource management, knowledge, and skills necessary for a successful professional practice. Prerequisites: PHRD 477	
Credit Hours:	
Current Level:	
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 520

60. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 508. (SELF CARE/PATIENT ASSESSMENT II MODULE)
<p>Current Description 508. SELF CARE/PATIENT ASSESSMENT II MODULE. 2 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: 479 and credit or registration in 520.</p> <p>Proposed Description 508. SELF CARE/PATIENT ASSESSMENT II MODULE. 2 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: PHRD 479</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	

UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 520

61. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 510. (CARDIOVASCULAR MODULE)
<p>Current Description 510. CARDIOVASCULAR MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to cardiovascular drug therapy management. Prerequisites: Third year standing and credit or registration in 520.</p> <p>Proposed Description 510. CARDIOVASCULAR MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to cardiovascular drug therapy management. Prerequisites: Third year standing</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 520

62. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 525. (PHARMACOECONOMICS AND OUTCOMES)
<p>Current Description 525. PHARMACOECONOMICS AND OUTCOMES. 2 cr. Introduction to the principles and tools of pharmacoeconomics and outcomes assessment that are commonly</p>	

used to study the impact of pharmaceutical care services on the health and health care of a patient or community. Prerequisites: 477 and 506 and credit or registration in 549.

Proposed Description

525. PHARMACOECONOMICS AND OUTCOMES. 2 cr. Introduction to the principles and tools of pharmacoeconomics and outcomes assessment that are commonly used to study the impact of pharmaceutical care services on the health and health care of a patient or community. Prerequisites: PHRD 477 and 506

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 549

63. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 527. (BONE AND JOINT MODULE)
<p>Current Description 527. BONE AND JOINT MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to bone and joint disease drug therapy management. Prerequisites: 508 and credit or registration in 549.</p> <p>Proposed Description 527. BONE AND JOINT MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to bone and joint disease drug therapy management. Prerequisites: PHRD 508</p>	
Credit Hours:	
Current Level:	
Activity Type:	

Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 549

64. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 529. (SPECIAL POPULATIONS MODULE)
<p>Current Description 529. SPECIAL POPULATIONS MODULE. 2 cr. Provides enhanced coverage of pharmacologic and therapeutic issues relevant to populations with alternative pharmaceutical needs because of unique diseases and altered pharmacokinetics and pharmacodynamics outside of the defined normal adult population. Prerequisites: 458, 474, 481, 508, 510 and credit or registration in 527,531, 533, 535 537, 549.</p> <p>Proposed Description 529. SPECIAL POPULATIONS MODULE. 2 cr. Provides enhanced coverage of pharmacologic and therapeutic issues relevant to populations with alternative pharmaceutical needs because of unique diseases and altered pharmacokinetics and pharmacodynamics outside of the defined normal adult population. Prerequisites: PHRD 458, 474, 481, 508, 510 and credit or registration in PHRD 527,531, 533, 535 537.</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	

UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 549

65. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 531. (RESPIRATORY MODULE)
<p>Current Description 531. RESPIRATORY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to respiratory drug therapy management. Prerequisites: 458, 474 and credit or registration in 549</p> <p>Proposed Description 531. RESPIRATORY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to respiratory drug therapy management. Prerequisites: PHRD 458 and 474</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 549

66. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 533. (RENAL/UROLOGY MODULE)
<p>Current Description 533. RENAL/UROLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to renal and urology drug therapy management. Prerequisites: 510 and credit or registration in 549.</p>	

Proposed Description	
533. RENAL/UROLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to renal and urology drug therapy management. Prerequisites: PHRD 510	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 549

67. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 535. (HEMATOLOGY/ONCOLOGY MODULE)
Current Description	
535. HEMATOLOGY/ONCOLOGY MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to hematology and oncology drug therapy management. Prerequisites: Third year standing and credit or registration in 549.	
Proposed Description	
535. HEMATOLOGY/ONCOLOGY MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to hematology and oncology drug therapy management. Prerequisites: Third year standing	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	

Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	Prerequisite change removes PHRD 549

68. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE course DESCRIPTION and PREREQUISITES of PHRD 537. (EYE, EARS, NOSE, THROAT, AND DERMATOLOGY MODULE)
<p>Current Description 537. EYE, EARS, NOSE, THROAT, AND DERMATOLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to EENT and dermatologic drug therapy management. Prerequisites: 481, 508, 510 and credit or registration in 549.</p> <p>Proposed Description 537. EYE, EARS, NOSE, THROAT, AND DERMATOLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to EENT and dermatologic drug therapy management. Prerequisites: PHRD 481, 508, and 510</p>	
Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved

Notes:	Prerequisite change removes PHRD 549
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69. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 551 (AGING AND DRUG USE IN THE ELDERLY)
Proposed Description 551 Aging and Drug Use in the Elderly 2 cr. An examination of normative and pathological aging and their effects on drug use and response in the aged population. Prerequisite: Second or third year pharmacy standing	
Credit Hours:	2
Current Level:	Prof
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Aging Drug Use Elder
UCC Decision:	Approved
Notes:	

70. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 552 (CASE STUDIES IN PHARMACY ADMINISTRATION)
Proposed Description 552. Case Studies in Pharmacy Administration. 3 cr. Case studies in medication safety, health care reform, drug marketing, pharmacy law and ethics, professional relations, and managerial accounting. Prerequisites: PHRD 431, 477.	
Credit Hours:	3
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	3

Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Pharm Ad Case Study
UCC Decision:	Approved
Notes:	

71. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 553 (HERBAL REMEDIES)
Proposed Description	
553. Herbal Remedies. 3 cr. Study of herbal remedies and phytomedicinals widely used as self-selected products for therapeutic, quality of life, and prophylactic purposes. The course will focus on safety, efficacy, herb-food, & drug-herb interactions, role of pharmacists to properly assist consumers and aspects of marketing regulations	
Credit Hours:	3
Current Level:	Prof
Activity Type:	Lec
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	102
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	Herbal Remedies
UCC Decision:	Approved
Notes:	

72. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 554 (HOSPITAL ADMINISTRATION)
Proposed Description	
554. Hospital Administration. 2 cr. The history of hospitals; organization and administration of patient care facilities; distribution of pharmaceuticals to inpatients;	

abilities required of the pharmacist; and the many roles of the pharmacist as a member of the health care team. Prerequisite: Second year standing.	
Credit Hours:	2
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Hospital Admin
UCC Decision:	Approved
Notes:	

73. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 555 (VACCINATIONS)
Proposed Description	
555. VACCINATIONS. 2 cr. An innovative and active training program that provides the skills necessary to become a primary source for vaccine advocacy, education and administration. Prerequisite: 3 rd year pharmacy standing	
Credit Hours:	2
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Vaccinations
UCC Decision:	Approved
Notes:	

74. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 556 (NUCLEAR MEDICINE)
Proposed Description 556. Nuclear Medicine. 2 cr. Handling and storage of radioisotopes and their application to pharmacy practice. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy	
Credit Hours:	2
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

75. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 557 (PHARMACOGENETICS)
Proposed Description 557. Pharmacogenetics. 3 cr. The course will provide students with basic concepts in pharmacogenetics and the role of inheritance on inter-individual variation in drug response. Prerequisite: 2 nd year standing	
Credit Hours:	3
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Pharmacogenetics

Title:	
UCC Decision:	Approved
Notes:	

76. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 558 (PHARMACY LEADERSHIP)
Proposed Description	
558. Pharmacy Leadership. 3 cr. Introduction to leadership styles and skills with application through simulated cases and role play of simulated circumstances in the profession of pharmacy. Prerequisites: Second year pharmacy standing and consent of the instructor.	
Credit Hours:	3
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Pharm Leader
UCC Decision:	Approved
Notes:	

77. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 559 (SELECTED PSYCHIATRIC AND SUBSTANCE ABUSE DISORDER TOPICS)
Proposed Description	
559. Selected Psychiatric and Substance Abuse Disorder Topics. 3 cr. This course will expand the pharmacy students' exposure to selected topics in behavioral health including pharmacotherapy of selected psychiatric topics. Pre-requisites:3rd year Pharmacy Standing	
Credit Hours:	3
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	

Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Sel Psych Sub Topic
UCC Decision:	Approved
Notes:	

78. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 560 (RETAIL PHARMACY MANAGEMENT)
Proposed Description 560. Retail Pharmacy Management. 3 cr. Managerial aspects in retail pharmacy practice with an emphasis on financial, operational, and human resource management Prerequisite: PHRD 431, PHRD 477	
Credit Hours:	3
Current Level:	Prof
Activity Type:	Lec
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	fixed
Variable Range:	
Abbreviated Course Title:	Retail Pharm Man
UCC Decision:	Approved
Notes:	

79. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 561 (WOMEN'S HEALTH AND THE PHARMACIST)
Proposed Description 561. Women's Health and the Pharmacist. 3 cr. Practical information necessary to provide optimal pharmaceutical care to women in a wide variety of practice settings. Includes both social and therapeutic issues. Emphasis placed on	

drugs in pregnancy/lactation. Prerequisite: 3rd year pharmacy standing	
Credit Hours:	3
Current Level:	Prof
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Wom Hlth
UCC Decision:	Approved
Notes:	

80. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 562 (BASIC STRATEGIES FOR SCHOLARLY COMMUNICATIONS)
Proposed Description	
<p>562. BASIC STRATEGIES FOR SCHOLARLY COMMUNICATION. 2 cr. The student will be responsible for producing professional level education material. The student will produce an article that will be submitted to a pharmacy journal along with a presentation to faculty over their research. Prerequisite: 2nd year pharmacy standing.</p>	
Credit Hours:	2
Current Level:	Prof
Activity Type:	LEC
Maximum Hours To Be Earned:	2
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Bas Strat Schol
UCC Decision:	Approved
Notes:	

81. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 563 (VETERINARY PHARMACOTHERAPY)
Proposed Description 563. Veterinary Pharmacotherapy. 3 cr. Pathogenesis, diagnosis, and rational therapeutic approaches to the treatment of selective disease states in companion animals. Pre-requisite Second Year Standing	
Credit Hours:	3
Current Level:	PROF
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	FIXED
Variable Range:	
Abbreviated Course Title:	Vet Pharmacotherapy
UCC Decision:	Approved
Notes:	

82. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CREATE course PHRD 564 (PROBLEMS)
Proposed Description 564. Problems 1 – 3 cr. Individualized investigations of selected problems in pharmaceutical chemistry, pharmacognosy, pharmacology, clinical pharmacy, and pharmacy administration.	
Credit Hours:	1 - 3
Current Level:	Prof
Activity Type:	LEC
Maximum Hours To Be Earned:	6
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	104
Last Term Offered:	

Offered Fixed/Variable:	Variable
Variable Range:	1 – 3 cr per semester
Abbreviated Course Title:	Problems
UCC Decision:	Approved
Notes:	

83. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	Change Degree Plan (DOCTOR OF PHARMACY-FOUR YEAR PROGRAM) (Graduate Catalog pgs 195 – 196) (Undergraduate Catalog pgs. 149-150 and 195 - 196)

Current Degree Plan:

FOUR YEAR PROGRAM

First Professional Year

(Fall & Spring Semesters)

Hrs.

PHRD 400	3
PHRD 402	5
PHRD 404	2
PHRD 408	3
PHRD 410	1
PHRD 412	2
PHRD 420	2
PHRD 425	2
PHRD 427	3
PHRD 429	3
PHRD 431	2
PHRD 433	3
PHRD 435	3
PHRD 447	1
PHRD 449	1
PHRD 450	4

Total 40

Second Professional Year

(Summer Term, Fall & Spring Semesters)

Hrs.

PHRD 452	3
PHRD 454	1
PHRD 456	3
PHRD 458	5
PHRD 470	1
PHRD 474	3
PHRD 477	3

PHRD 479 .....	.4
PHRD 481 .....	.6
PHRD 483 .....	.2
PHRD 499 .....	.1
PHRD 500 .....	.4
Pharmacy Electives .....	.5
Total	41

CONTINUED CURRENT DEGREE PLAN

**Third Professional Year
(Summer Term, Fall & Spring Semesters) Hrs.**

PHRD 502 .....	.2
PHRD 504 .....	.2
PHRD 506 .....	.3
PHRD 508 .....	.2
PHRD 510 .....	.6
PHRD 520 .....	.1
PHRD 525 .....	.2
PHRD 527 .....	.2

**Third Professional Year
(Summer Term, Fall & Spring Semesters) Hrs.**

PHRD 529 .....	.2
PHRD 531 .....	.2
PHRD 533 .....	.2
PHRD 535 .....	.3
PHRD 537 .....	.2
PHRD 549 .....	.1

Pharmacy Electives .....	.5
Total .....	.37

**Fourth Professional Year
(Non-Standard Fall, Spring and Summer Semesters) Hrs.**

PHRD 600 .....	.6
PHRD 6026
PHRD 6046
PHRD 6053
PHRD 6066
PHRD 6086
PHRD 6106
PHRD 6126

Total	45
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Total hours for degree, 259 (includes preparatory coursework)

END OF CURRENT PHARMACY DEGREE PLAN

Proposed Degree Plan

DOCTOR OF PHARMACY FOUR YEAR PROGRAM

First Professional Year

(Fall & Spring Semesters)	Hrs.
PHRD 400	3
PHRD 402	5
PHRD 404	2
PHRD 408	3
PHRD 410	1
PHRD 412	2
PHRD 414.....	1
PHRD 420	1
PHRD 425	2
PHRD 427	3
PHRD 429	3
PHRD 431	2
PHRD 433	3
PHRD 435	3
PHRD 447	1
PHRD 449	1
PHRD 450*.....	4
Total	40

Second Professional Year

(Summer Term, Fall & Spring Semesters)	Hrs.
PHRD 452	3
PHRD 454	1
PHRD 456	3
PHRD 458	5
PHRD 470	1
PHRD 474	3
PHRD 477	3
PHRD 479	4
PHRD 481	6
PHRD 483	2
PHRD 499	1
PHRD 500*	4
Pharmacy Electives	5
Total	41

Continued: Proposed Degree Plan- DOCTOR OF PHARMACY FOUR YEAR PROGRAM

Third Professional Year	
(Summer Term, Fall & Spring Semesters)	
	Hrs.
PHRD 502 .....	.2
PHRD 504 .....	.2
PHRD 506 .....	.3
PHRD 508 .....	.2
PHRD 510 .....	.6
PHRD 520 .....	.1
PHRD 525 .....	.2
PHRD 527 .....	.2
PHRD 529 .....	.2

Third Professional Year	
(Summer Term, Fall & Spring Semesters)	
	Hrs.
PHRD 531 .....	.2
PHRD 533 .....	.2
PHRD 535 .....	.3
PHRD 537 .....	.2
PHRD 549 .....	.1
Pharmacy Electives .....	.5
Total .....	.37

Fourth Professional Year	
(Non-Standard Fall, Spring and Summer Semesters)	
	Hrs.
PHRD 600 .....	.6
PHRD 602 .....	.6
PHRD 604 .....	.6
PHRD 605 .....	.3
PHRD 606 .....	.6
PHRD 608 .....	.6
PHRD 610 .....	.6
PHRD 612 .....	.6
Total .....	.45

Total hours for degree, 259 (includes preparatory coursework)

*IPPE Courses must be taken the first time the student qualifies for the course.

END OF PROPOSED DOCOTR OF PHARMACY FOUR YEAR DEGREE PLAN

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

84. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE in Courses of Instruction PHAR COURSES (UNDERGRADUATE CATALOG content on pages 208-211) and (GRADUATE CATALOG content on page 146-149 and 197 -201)
<p>Current Content: (page 1) PHARMACY (PHAR) <u>For Professionals Only</u> 300. INTRODUCTION TO PHARMACY. 1 cr. An introduction to the pharmacist in society, modes of pharmacy practice, historical perspectives, fundamentals of professional responsibility. Grading will be on a credit, no credit basis. Students receiving a grade of “no credit” must repeat the course. Prerequisite: First Year Pharmacy Standing. 350. PHARMACY ADMINISTRATION. 3 cr. Principles of management and functions essential to the distribution of goods and services in the pharmaceutical marketplace. Prerequisites: Economics 201; Accounting 110; First Year Pharmacy Standing. 385. PATIENT COUNSELING AND COMMUNICATION. 2 cr. Principles and techniques of communication applicable to pharmacy practice. Prerequisite: Second Year Pharmacy Standing. 402. PHARMACEUTICS I. 4 cr. Fundamentals of measurement and calculation and an introduction to liquid oral dosage forms. Three hours lecture and three hours laboratory per week. Prerequisite: First year pharmacy standing. 403. PHARMACEUTICS II. 3 cr. A study of heterogeneous liquid, semisolid dosage forms. Transdermal and novel drug delivery systems will be discussed. Prerequisite: 402 407. MEDICINAL CHEMISTRY I. 3 cr. The biochemical basis of drug action. A molecular biology approach with pharmaceutical orientation will be stressed. Special emphasis will be placed on biochemical catalysis (enzyme structure, kinetics, and regulation), metabolism of major food constituents, nutritional parameters affecting bio-chemical processes, hereditary metabolic diseases, and the basic biochemical processes, hereditary metabolic diseases, and the basic biochemical processes associated with biotechnology. Prerequisite: First Year Pharmacy Standing. 408. IMMUNOLOGY & BIOTECHNOLOGY. 2 cr. A discussion of nonspecific host defense</p>	

Current Content: (page 2)

mechanisms and a detailed description of specific immunity. Products that impart artificial active and passive immunity are presented. The concept of biotechnology is discussed together with the currently available products of genetic engineering that relate to immunology. The various immunologic disorders and the immunology of cancer are also described. Prerequisite: 411.

421. HERBAL REMEDIES. 3 cr. A study of herbal preparations and other phytomedicinals widely used by the general public as self selected OTC products for therapeutic or preventive purposes. Emphasis is placed on the need, safety, and efficacy of herbal preparations, and the role of the pharmacist in product selection. Prerequisite: 409; credit or registration in 414.

424. PHARMACEUTICS IV. 4 cr. A study of parenterally administered drugs and specialized delivery systems. Three hours lecture and three hours laboratory per week. Prerequisite: 432.

425. DRUG INFORMATION RETRIEVAL AND EVALUATION. 3 cr. Introduction to services and resources used to provide evaluative information and associated professional responsibilities. Prerequisite: First Year Pharmacy Standing.

426. AGING AND DRUG USE IN THE ELDERLY. 3 cr. An examination of normative and pathological aging and their effect on drug use and response in the aged population. Prerequisite: Credit or registration in 414.

436. PHARMACOLOGY LABORATORY. 1 cr. A laboratory course to accompany 412. Three hours laboratory. Prerequisite: 411; credit or registration in 412.

PHARMACY (PHAR)

For Professionals Only

440. PROFESSIONAL SERVICE ACCESSORIES. 2 cr. Selection, indications, uses, warnings, maintenance and storage of prescription and non-prescription accessories, durable medical equipment and related items. Prerequisite: Third Year Pharmacy Standing.

445. PROFESSIONAL PRACTICE LABORATORY. 1 cr. Principles and techniques of dispensing extemporaneously prepared and prefabricated products, and relevant aspects of contemporary pharmacy practice. Prerequisites: 432; credit or registration in 454.

446. NON-PRESCRIPTION MEDICATIONS AND SELF-CARE. 3 cr. Selection and use of non-prescription medications for self treatment of disease or to treat self-limiting disease states. Prerequisite: Credit or registration in 413.

447. ETHICS IN PHARMACY PRACTICE. 3 cr. This course prepares students to distinguish ethical from other kinds of issues in pharmacy, and to identify the options open to a pharmacist faced with an ethical issue.

451. PHARMACEUTICAL CARE MANAGEMENT. 3 cr. The behavioral, ethical, organizational, and pharmacoeconomic determinants of medication use management in the delivery of pharmaceutical care. Prerequisite: First Year Pharmacy Standing.

467. PESTICIDES. 2 cr. Chemicals and drugs which have important application as insecticides, herbicides, fungicides, and rodenticides. Prerequisite: 413.

469. ONCOLOGY PHARMACY PRACTICE. 2 cr. Appropriate therapy for hematological and oncologic disease states, supportive care, oncologic emergencies and critical care issues, pathophysiology, and the pharmacologic and physicochemical properties of medications. Preparation, distribution and administration of chemotherapy will also be covered. Prerequisites: Third year pharmacy standing.

470. HOSPITAL PHARMACY. 2 cr. The history of hospitals, organization and administration of patient care facilities, distribution of pharmaceuticals to inpatients and outpatients, abilities required

Current Content: (page 3)

of the pharmacist, and the many roles of the pharmacist as a member of the health team. Prerequisites: Second Year Pharmacy Standing.

480. INTRODUCTORY COMMUNITY PHARMACY EXPERIENCE. 3 cr. A one-month introduction to the practice of pharmacy in the community setting. Minimum of 40 hours per week experiential training. Prerequisite: First year pharmacy standing.

481. INTRODUCTORY INSTITUTIONAL PHARMACY EXPERIENCE. 3 cr. A one-month introduction to the practice of pharmacy in the institutional setting. Minimum of 40 hours per week experiential training. Prerequisite: Second year pharmacy standing.

489. INTRODUCTORY TOXICOLOGY. 3 cr. Survey of the occurrence, properties and harmful effects of natural and man-made toxic substances in personal, occupational and global environments. Prerequisites: Credit or registration in Biology 311, 313, and Chemistry 304.

493. CASE STUDIES IN PHARMACY ADMINISTRATION. 2 cr. Case studies in drug marketing, pharmacy law and ethics, professional relations, and managerial accounting. Prerequisite: 451, 454.

PHARMACY (PHAR)

For Professionals Only

494. RETAIL PHARMACY MANAGEMENT. 3 cr. Principles and problems related to the planning, organizing, and controlling of the retail pharmacy. Prerequisite: 451.

496. PHARMACEUTICAL LEGISLATION. 3 cr. Historical Development of pharmaceutical law and its effect on the practice of pharmacy. Prerequisite: 454.

503. PATIENT ASSESSMENT FOR PHARMACISTS. 2 cr. Utilization of physical assessment findings to evaluate drug therapy needs and response. Prerequisite: Third Year Pharmacy Standing.

504. VETERINARY PHARMACOTHERAPY. 3 Cr. Pathogenesis, diagnosis, and rational therapeutic approaches to the treatment of selective disease states in companion animals. Prerequisite: 3rd year pharmacy standing.

506. PHARMACY LEADERSHIP I. 3cr. Introduction to leadership styles and skills with application through simulated cases and role play of circumstances in the profession of pharmacy. Prerequisites: Second year pharmacy standing and/or consent of the coordinator.

515. CLINICAL PHARMACOKINETICS. 3 cr. The application of pharmacokinetic principles to the safe and therapeutic management of the individual patient. Prerequisites: 432.

516. STERILE PRODUCTS. 3 Cr. The theory and application of procedures used in the preparation of sterile products for intravenous and other sterile uses. Prerequisites: 2nd or 3rd year pharmacy standing.

524. CLINICAL TOXICOLOGY. 2 cr. Information on the clinical management of poisonings including the assessment of toxic potential, stabilization of vital function, and specific antidotal measures. Prerequisite: Third Year Pharmacy Standing. (Same as TOXI 424)

559. PHARMACY-BASED IMMUNIZATION DELIVERY. 2 cr. An innovative and active training program that provides the skills necessary to become a primary source for vaccine advocacy, education and administration. Prerequisite: 3rd year pharmacy standing.

560. DEVELOPING AMBULATORY CARE SERVICES. 3 cr. Teaches aspects of starting services and managing patient specific pharmacotherapy regimens in the ambulatory care setting. Prerequisite: 3rd year standing.

561. WOMEN'S HEALTH AND THE PHARMACIST. 3 cr. Practical information necessary to provide optimal pharmaceutical care to women in a wide variety of practice settings. Includes both

Current Content: (page 4)

social and therapeutic issues. Emphasis placed on drugs in pregnancy/lactation. Prerequisite: 3rd year pharmacy standing.

562. BASIC STRATEGIES FOR SCHOLARLY COMMUNICATION. 3 cr. The student will be responsible for producing professional level education material. The student will produce an article that will be submitted to a pharmacy journal along with a presentation to faculty over their research. Prerequisite: 3rd year pharmacy standing.

563. SELECTED PSYCHIATRIC AND SUBSTANCE ABUSE DISORDER TOPICS. 3 cr. This course will expand the pharmacy students' exposure to selected topics in behavioral health including pharmacotherapy of selected psychiatric disorders. Prerequisite: 3rd year pharmacy standing.

574. PHARMACOTHERAPY FORUM. 3 cr. Experience in making formal oral and written presentations to peer professionals and assessment of the ability to evaluate and apply the literature. Prerequisite: Third year pharmacy standing. Credit or registration in Pharmacy 588.

585. DISEASE PATHOGENESIS AND PHARMACOTHERAPY I. 4 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 408, 412, 425; Credit or registration in 410, 413.

**PHARMACY (PHAR)
For Professionals Only**

586. DISEASE PATHOGENESIS AND PHARMACOTHERAPY II. 5 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 410, 413, 585; Credit or registration in 414.

587. DISEASE PATHOGENESIS AND PHARMACOTHERAPY III. 5 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 414, 418, 586.

588. DISEASE PATHOGENESIS AND PHARMACOTHERAPY IV. 4 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 414, 418, 587.

589. RESEARCH METHODS FOR THE PHARMACIST. 2 cr. Introduction to the design and common statistical analysis of clinical drug trials. Prerequisite: 425; Third Year Pharmacy.

634. Advanced Community Pharmacy Practice Experience. 6 cr. Application of knowledge skills and attitudes necessary to provide pharmaceutical care in the community pharmacy setting. Experiences include patient triage, disease state management, patient education, follow-up and monitoring as well as medication distribution activities. Fourth Year Pharmacy Standing.

635. Advanced Institutional Pharmacy Practice Experience. 6 cr. Application of the knowledge skills and attitudes necessary to provide pharmaceutical care and manage the pharmacy practice in the institutional setting. Fourth Year Pharmacy Standing.

636. Advanced Ambulatory Care Pharmacy Practice Experience. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in ambulatory care setting. Activities provide exposure to a variety of disease states, and experiences include patient triage, disease state management, and patient education, follow-up and monitoring. Fourth Year Pharmacy Standing.

637. Advanced Adult Medicine Pharmacy Practice Experience. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings. Activities provide exposure to a variety of disease states, allowing students to gain experience

CONTINUED – PAGE 5 of ITEM 84 - -Current Content: (page 5)

gathering and evaluating patient data, making therapeutic decisions and monitoring drug therapy. Fourth Year Pharmacy Standing.

638. Advanced Specialty Pharmacy Practice Experience. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in specialty setting. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.

639. Advanced Pharmacy Practice Elective Experience I. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.

640. Advanced Pharmacy Practice Elective Experience II. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.

END OF CURRENT CONTENT – PHAR – FOR PROFESSIONALS ONLY

PHARMACY (PHAR)

For Professionals and Graduates

409. MEDICINAL CHEMISTRY II. 3 cr. A study of organic compounds of pharmaceutical and medicinal importance with emphasis on chemical structure, relationship of chemical structure to drug action, metabolism, usage, incompatibilities, and syntheses. Prerequisite: 407.

410. MEDICINAL CHEMISTRY III. 3 cr. Continuation of 409. Prerequisite: 409.

411. PHARMACOLOGY I. 3 cr. Pharmacological, anatomical, and physiological basis of drug action. Topics include general principles of therapeutics, pharmacodynamics, pharmacokinetics and toxicology, and the action of drugs in the peripheral nervous system. Prerequisite: First Year Pharmacy Standing, Graduate Student Standing in the College of Pharmacy (non-major for nondegree credit only) or by consent of Department Head.

412. PHARMACOLOGY II. 3 cr. Continuation of Pharmacy 411 with emphasis on inflammatory and allergic reactions and the central nervous system. Prerequisites: 411; Credit or registration in 436; or Graduate Student Standing in the College of Pharmacy (non-major for non-degree credit only) or by consent of Department Head.

413. PHARMACOLOGY III. 4 cr. Continuation of 412 with emphasis on the cardiovascular, renal, and respiratory systems. Prerequisites: 407, 412, 436.

414. PHARMACOLOGY IV. 4 cr. Continuation of 413 with emphasis on the gastrointestinal system, endocrine system, reproductive system, and chemotherapeutic agents. Prerequisites: 413; credit or registration in 418.

418. CHEMOTHERAPEUTIC AGENTS. 2 cr. A study of the chemistry, therapeutic classification, mechanisms of action, toxicity, and spectra of agents currently used in the therapy of infectious and neoplastic diseases. Prerequisites: 408, 412; credit or registration in 409.

419. PHARMACOBIOTECH. 3 cr. A study of the application of biotechnology to pharmaceuticals including drugs, diagnostics, and vaccines. Emphasis is placed on the techniques of biotechnology, recombinant proteins and peptides, monoclonal antibodies, and physiochemical properties, and metabolism of genetically engineered biopharmaceuticals. Prerequisite: 408, 409; credit or registration in 414; or approval of Department Head.

CONTINUED – Page 6 of ITEM 84

423. MEDICAL IMMUNOLOGY. 2 cr. Cellular and serum immunology. Antibody structure and function. Types of antigen antibody reactions. Immunosuppression, tolerance and enhancement. Systems mediating immunologic injury and inflammation. Immunogenetics. Prerequisites: 408, 412, 436.

432. PHARMACEUTICS III. 3 cr. The interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisite: 403.

454. LAW. 3 cr. Local, state and federal laws, rules and regulations relating to the practice of Pharmacy. Prerequisite: Second Year Pharmacy.

479. NUCLEAR PHARMACY. 2 cr. Handling and storage of radioisotopes and their application to pharmacy. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy.

564. PHARMACOGENETICS. 3 Cr. This course will provide students with basic concepts in pharmacogenetics and the role of inheritance on inter-individual variation in drug response. In addition, the class will provide students with an appreciation of how pharmacogenetic and pharmacogenomic fields impact pharmaceutical care. Prerequisites: Pharmacy 411, 412, and 432.

**END OF CURRENT CONTENT PHARMACY (PHAR) –
Courses of Instruction**

PROPOSED CONTENT: (PAGE 1)

PHARMACY (PHAR)

For Professionals Only

385. PATIENT COUNSELING AND COMMUNICATION. 2 cr. Principles and techniques of communication applicable to pharmacy practice. Prerequisite: Second Year Pharmacy Standing.

421. HERBAL REMEDIES. 3 cr. A study of herbal preparations and other phytomedicinals widely used by the general public as self selected OTC products for therapeutic or preventive purposes. Emphasis is placed on the need, safety, and efficacy of herbal preparations, and the role of the pharmacist in product selection. Prerequisite: 409; credit or registration in 414.

424. PHARMACEUTICS IV. 4 cr. A study of parenterally administered drugs and specialized delivery systems. Three hours lecture and three hours laboratory per week. Prerequisite: 432..

426. AGING AND DRUG USE IN THE ELDERLY. 2 cr. An examination of normative and pathological aging and their effect on drug use and response in the aged population. Prerequisite: Credit or registration in 414.

440. PROFESSIONAL SERVICE ACCESSORIES. 2 cr. Selection, indications, uses, warnings, maintenance and storage of prescription and non-prescription accessories, durable medical equipment and related items. Prerequisite: Third Year Pharmacy Standing.

445. PROFESSIONAL PRACTICE LABORATORY. 1 cr. Principles and techniques of dispensing extemporaneously prepared and prefabricated products, and relevant aspects of contemporary pharmacy practice. Prerequisites: 432; credit or registration in 454.

446. NON-PRESCRIPTION MEDICATIONS AND SELF-CARE. 3 cr. Selection and use of non-prescription medications for self treatment of disease or to treat self-limiting disease states. Prerequisite: Credit or registration in 413.

467. PESTICIDES. 2 cr. Chemicals and drugs which have important application as insecticides, herbicides, fungicides, and rodenticides. Prerequisite: 413.

PROPOSED CONTENT: (PAGE 2)

469. ONCOLOGY PHARMACY PRACTICE. 2 cr. Appropriate therapy for hematological and oncologic disease states, supportive care, oncologic emergencies and critical care issues, pathophysiology, and the pharmacologic and physiochemical properties of medications. Preparation, distribution and administration of chemotherapy will also be covered. Prerequisites: Third year pharmacy standing.

470. HOSPITAL PHARMACY. 2 cr. The history of hospitals, organization and administration of patient care facilities, distribution of pharmaceuticals to inpatients and outpatients, abilities required of the pharmacist, and the many roles of the pharmacist as a member of the health team. Prerequisites: Second Year Pharmacy Standing.

480. INTRODUCTORY COMMUNITY PHARMACY EXPERIENCE. 3 cr. A one-month introduction to the practice of pharmacy in the community setting. Minimum of 40 hours per week experiential training. Prerequisite: First year pharmacy standing.

481. INTRODUCTORY INSTITUTIONAL PHARMACY EXPERIENCE. 3 cr. A one-month introduction to the practice of pharmacy in the institutional setting. Minimum of 40 hours per week experiential training. Prerequisite: Second year pharmacy standing.

489. INTRODUCTORY TOXICOLOGY. 3 cr. Survey of the occurrence, properties and harmful effects of natural and man-made toxic substances in personal, occupational and global environments. Prerequisites: Credit or registration in Biology 311, 313, and Chemistry 304.

493. CASE STUDIES IN PHARMACY ADMINISTRATION. 2 cr. Case studies in drug marketing, pharmacy law and ethics, professional relations, and managerial accounting. Prerequisite: 451, 454.

**PHARMACY (PHAR)
For Professionals Only**

494. RETAIL PHARMACY MANAGEMENT. 3 cr. Principles and problems related to the planning, organizing, and controlling of the retail pharmacy. Prerequisite: 451.

496. PHARMACEUTICAL LEGISLATION. 3 cr. Historical Development of pharmaceutical law and its effect on the practice of pharmacy. Prerequisite: 454.

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506. PHARMACY LEADERSHIP I. 3cr. Introduction to leadership styles and skills with application through simulated cases and role play of circumstances in the profession of pharmacy. Prerequisites: Second year pharmacy standing and/or consent of the coordinator.

515. CLINICAL PHARMACOKINETICS. 3 cr. The application of pharmacokinetic principles to the safe and therapeutic management of the individual patient. Prerequisites: 432.

516. STERILE PRODUCTS. 3 Cr. The theory and application of procedures used in the preparation of sterile products for intravenous and other sterile uses. Prerequisites: 2nd or 3rd year pharmacy standing.

524. CLINICAL TOXICOLOGY. 2 cr. Information on the clinical management of poisonings including the assessment of toxic potential, stabilization of vital function, and specific antidotal measures. Prerequisite: Third Year Pharmacy Standing. (Same as TOXI 424)

559. PHARMACY-BASED IMMUNIZATION DELIVERY. 2 cr. An innovative and active training program that provides the skills necessary to become a primary source for vaccine advocacy,

PROPOSED CONTENT: (PAGE 3)

education and administration. Prerequisite: 3rd year pharmacy standing.

560. DEVELOPING AMBULATORY CARE SERVICES. 3 cr. Teaches aspects of starting services and managing patient specific pharmacotherapy regimens in the ambulatory care setting.

Prerequisite: 3rd year standing.

561. WOMEN'S HEALTH AND THE PHARMACIST. 3 cr. Practical information necessary to provide optimal pharmaceutical care to women in a wide variety of practice settings. Includes both social and therapeutic issues. Emphasis placed on drugs in pregnancy/lactation. Prerequisite: 3rd year pharmacy standing.

562. BASIC STRATEGIES FOR SCHOLARLY COMMUNICATION. 3 cr. The student will be responsible for producing professional level education material. The student will produce an article that will be submitted to a pharmacy journal along with a presentation to faculty over their research.

Prerequisite: 3rd year pharmacy standing.

563. SELECTED PSYCHIATRIC AND SUBSTANCE ABUSE DISORDER TOPICS. 3 cr. This course will expand the pharmacy students' exposure to selected topics in behavioral health including pharmacotherapy of selected psychiatric disorders. Prerequisite: 3rd year pharmacy standing.

574. PHARMACOTHERAPY FORUM. 3 cr. Experience in making formal oral and written presentations to peer professionals and assessment of the ability to evaluate and apply the literature.

Prerequisite: Third year pharmacy standing. Credit or registration in Pharmacy 588.

PHARMACY (PHAR)

For Professionals Only

585. DISEASE PATHOGENESIS AND PHARMACOTHERAPY I. 4 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans. Prerequisite: 408, 412, 425; Credit or registration in 410, 413.

586. DISEASE PATHOGENESIS AND PHARMACOTHERAPY II. 5 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans.

Prerequisite: 410, 413, 585; Credit or registration in 414.

587. DISEASE PATHOGENESIS AND PHARMACOTHERAPY III. 5 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans.

Prerequisite: 414, 418, 586.

588. DISEASE PATHOGENESIS AND PHARMACOTHERAPY IV. 4 cr. Pathogenesis, diagnosis and rational therapeutic approaches to treatment of selective disease states in humans.

Prerequisite: 414, 418, 587.

589. RESEARCH METHODS FOR THE PHARMACIST. 2 cr. Introduction to the design and common statistical analysis of clinical drug trials. Prerequisite: 425; Third Year Pharmacy.

634. Advanced Community Pharmacy Practice Experience. 6 cr. Application of knowledge skills and attitudes necessary to provide pharmaceutical care in the community pharmacy setting.

Experiences include patient triage, disease state management, patient education, follow-up and monitoring as well as medication distribution activities. Fourth Year Pharmacy Standing.

635. Advanced Institutional Pharmacy Practice Experience. 6 cr. Application of the knowledge skills and attitudes necessary to provide pharmaceutical care and manage the pharmacy practice in the institutional setting. Fourth Year Pharmacy Standing.

636. Advanced Ambulatory Care Pharmacy Practice Experience. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in ambulatory care setting.

PROPOSED CONTENT: (PAGE 4)

Activities provide exposure to a variety of disease states, and experiences include patient triage, disease state management, and patient education, follow-up and monitoring. Fourth Year Pharmacy Standing.

637. Advanced Adult Medicine Pharmacy Practice Experience. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings. Activities provide exposure to a variety of disease states, allowing students to gain experience gathering and evaluating patient data, making therapeutic decisions and monitoring drug therapy. Fourth Year Pharmacy Standing.

638. Advanced Specialty Pharmacy Practice Experience. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in specialty setting. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.

639. Advanced Pharmacy Practice Elective Experience I. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.

PHARMACY (PHAR)
For Professionals Only

640. Advanced Pharmacy Practice Elective Experience II. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Activities provide a focused exposure to specific areas of pharmacy practice and experiences are focused on providing pharmacy care in these areas of practice. Fourth Year Pharmacy Standing.

END OF PROPOSED CONTENT:
PHARMACY (PHAR) - For Professionals Only

PHARMACY (PHAR)
For Professionals and Graduates

410. MEDICINAL CHEMISTRY III. 3 cr. Continuation of 409. Prerequisite: 409.

413. PHARMACOLOGY III. 4 cr. Continuation of 412 with emphasis on the cardiovascular, renal, and respiratory systems. Prerequisites: 407, 412, 436.

414. PHARMACOLOGY IV. 4 cr. Continuation of 413 with emphasis on the gastrointestinal system, endocrine system, reproductive system, and chemotherapeutic agents. Prerequisites: 413; credit or registration in 418.

418. CHEMOTHERAPEUTIC AGENTS. 2 cr. A study of the chemistry, therapeutic classification, mechanisms of action, toxicity, and spectra of agents currently used in the therapy of infectious and neoplastic diseases. Prerequisites: 408, 412; credit or registration in 409.

PROPOSED CONTENT: (PAGE 5)

419. PHARMACOBIOTECH. 3 cr. A study of the application of biotechnology to pharmaceuticals including drugs, diagnostics, and vaccines. Emphasis is placed on the techniques of biotechnology, recombinant proteins and peptides, monoclonal antibodies, and physiochemical properties, and metabolism of genetically engineered biopharmaceuticals. Prerequisite: 408, 409; credit or registration in 414; or approval of Department Head.

423. MEDICAL IMMUNOLOGY. 2 cr. Cellular and serum immunology. Antibody structure and function. Types of antigen antibody reactions. Immunosuppression, tolerance and enhancement. Systems mediating immunologic injury and inflammation. Immunogenetics. Prerequisites: 408, 412, 436.

432. PHARMACEUTICS III. 3 cr. The interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisite: 403.

454. LAW. 3 cr. Local, state and federal laws, rules and regulations relating to the practice of Pharmacy. Prerequisite: Second Year Pharmacy.

479. NUCLEAR PHARMACY. 2 cr. Handling and storage of radioisotopes and their application to pharmacy. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy.

564. PHARMACOGENETICS. 3 Cr. This course will provide students with basic concepts in pharmacogenetics and the role of inheritance on inter-individual variation in drug response. In addition, the class will provide students with an appreciation of how pharmacogenetic and pharmacogenomic fields impact pharmaceutical care. Prerequisites: Pharmacy 411, 412, and 432.

**END OF PROPOSED CONTENT:
PHARMACY (PHAR) - For Professionals and Graduates**

END OF ITEM #84 (PHARMACY – PHAR COURSES OF INSTRUCTION)

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	

Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

85. THE COLLEGE OF PHARMACY requests:

Presenter:	J. Evans
Action:	CHANGE in Courses of Instruction PHRD COURSES (UNDERGRADUATE CATALOG content on pages 211-213) and (GRADUATE CATALOG content on page 146-149 and 201 -204)

Current Content: (page 1)

PHARMACY (PHRD)

Doctor of Pharmacy Requirements

Required for a major (PHRD): 400, 402, 404, 408, 410, 425, 427, 429, 431, 433, 435, 447, 449, 450, 452, 454, 456, 458, 470, 474, 477, 479, 481, 483, 499, 500, 502, 504, 506, 508, 510, 520, 525, 527, 529, 531, 533, 535, 537, 549, 600, 602, 604, 605, 606, 608, 610, 612 and 10 hours of pharmacy elective credit. – —Total of 164

Semester hours (Pharmacy elective credits must be taken while enrolled in the professional program)

For Professionals Only

400. MEDICAL MICROBIOLOGY. 3 cr. Discussion of bacterial, viral, fungal and parasitic pathogens and the diseases they cause. Topics include microbial structure, physiology and genetics, virulence factors and mechanisms of tissue damage. Prerequisite: First Year Standing. Credit or registration in 420.

402. PRINCIPLES OF DRUG ACTION I. 5 cr. This course focuses on the molecular-level composition of living organisms in relationship to the biochemical and molecular biopharmaceutical bases of therapeutic intervention with medicinal substances, and associated foundational concepts of medicinal and pharmaceutical chemistry, pharmacology, and toxicology. Prerequisites: Credit or registration in 420.

404. PHARMACEUTICAL CALCULATIONS. 2 cr. Fundamentals of pharmaceutical measurement and calculations. Prerequisite: First Year Standing. Credit or registration in 420.

408. PHARMACEUTICS I. 3 cr. Fundamentals of physical pharmacy and an introduction to liquid oral dosage forms. Prerequisite: First Year Standing. Credit or registration in 420.

410. INTRODUCTION TO PHARMACY. 1 cr. An introduction to the pharmacist in society, modes of pharmacy practice, historical perspectives, fundamentals of professional responsibility. Prerequisite: First Year Standing. Credit or registration in 420.

412. PATHOPHYSIOLOGY I. 2 cr. Students will be introduced to disease processes at a cellular level. Prerequisite: First Year Standing. Credit or registration in 420.

420. INTEGRATED LAB SEQUENCE I. 2 cr. First in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on medical terminology, microbiology, drug action, therapeutics, calculations, pharmaceuticals, and pathophysiology. Prerequisite: Credit or registration in 400, 402, 404, 408, 410, 412.

425. PRINCIPLES OF IMMUNOLOGY. 2 cr. Detailed discussions of the stimulation, production and role of innate and acquired immune responses, health outcomes in immunopathological conditions, and

Continued (Page 2 of Item #85)

Current Content: (page 2)

PHARMACY (PHRD) For Professionals Only

the modulation of immune function using vaccines and other biotechnology products. Prerequisites: 400 and credit or registration in 449.

427. PRINCIPLES OF DRUG ACTION II. 3 cr. A continuation of PHRD 402. Prerequisites: Completion of 402 and credit or registration in 449.

429. PHARMACEUTICS II. 3 cr. Fundamentals of drug delivery systems. Prerequisites: 408 and credit or registration in 449.

431. PHARMACY PRACTICE ETHICS AND LAW I. 2 cr. Distinguishes ethical from other kinds of issues in pharmacy, identifies options open to a pharmacist faced with an ethical issue. Students will be introduced to administrative law as it applies to the practice of pharmacy Prerequisite: Credit or registration in 449.

433. DRUG INFORMATION RETRIEVAL. 2 cr. Orientation to current drug information systems, appropriate search strategies utilizing primary, secondary and tertiary resources combined with applications of common statistical tests seen in medical literature. Prerequisite: Credit or registration in 449.

435. PATHOPHYSIOLOGY II. 3 cr. The student will continue to build on the knowledge from pathophysiology I as complete organ systems are introduced and the impact of diseases on this systems are studied. Prerequisites: 412 and credit or registration in 449.

447. PARENTERALS. 1cr. The course introduces the student to the pharmaceuticals and clinical applications of parenterals. Topics include calculations, aseptic technique, and regulations impacting parenterals. Prerequisites: Credit or registration in 449.

449. INTEGRATED LAB SEQUENCE II. 1 cr. Second in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on immunology, drug action, therapeutics, pharmaceuticals, law/ethics, informatics, pathophysiology, and parenterals. Prerequisites: 420 and credit or registration in 425,427, 429, 431, 433, 435, 447

450. COMMUNITY INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr. The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisite: First year standing

452. RESEARCH METHODS AND LITERATURE EVALUATION. 3 cr Introduction and application of basic concepts of research methodology and design needed for efficient evaluation, utilization and clinical application of medication information available in medical literature. Prerequisites: 433 and credit or registration in 470.

454. INTRODUCTION TO COMMUNICATIONS. 1 cr. Orientation to psychosocial and communication principles and techniques with application to professional practice environments and clinical counseling situations. Prerequisites: 410, 431, 433 and credit or registration in 470.

456. BIOPHARMACEUTICS AND PHARMACOKINETICS. 3 cr. The study of the interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisites: 404 and credit or registration in 470.

458. NEUROLOGY AND PSYCHIATRY MODULE. 5 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to neurology/psychiatric drug therapy management. Prerequisites: Second year standing and credit or registration in 470.

470. INTEGRATED LAB SEQUENCE III. 1 cr. Third in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on drug literature evaluation, communications, biopharmaceutics/pharmacokinetics, neurologic/psychiatric, and endocrinologic disorders. Prerequisites: credit or registration in 452, 454, 456,

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PHARMACY (PHRD) For Professionals Only

458, 474.

474. ENDOCRINE MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to endocrine drug therapy management. Prerequisites: credit or registration in 458 and 470.

477. HEALTH CARE SYSTEMS. 3 cr. An overview of the structure, organization, delivery, and financing of the U.S. health care system, managed health care and pharmacy services combined with the role of the pharmacist. Prerequisite: Credit or registration in 499.

479. SELF CARE/PATIENT ASSESSMENT I MODULE. 4 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: Second year standing and credit or registration in 499.

481. INFECTIOUS DISEASES MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to infectious diseases drug therapy management. Prerequisites: Second year standing and credit or registration in 499.

483. GASTROINTESTINAL, NUTRITION, AND HEPATIC MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to Gastrointestinal and Hepatic disease drug therapy management. Nutrition will also be covered. Prerequisites: 458 and credit or registration in 499.

499. INTEGRATED LAB SEQUENCE IV. 1 cr. Fourth in a six semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on health-care systems, self-care; patient assessment, infectious diseases, and Gastrointestinal/-nutritional/hepatic disorders. Prerequisites: credit or registration in 477, 479, 481, 483.

500. INSTITUTIONAL INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr. The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisites: Second year standing.

502. PHARMACY PRACTICE ETHICS AND LAW II. 2 cr. This course reviews the principles of ethics as they apply to pharmacy practice. Students will focus primarily on the law as it applies to drugs, medical devices, and the practice of pharmacy. Prerequisites: 431 and credit or registration in 520.

504. ADVANCED COMMUNICATION. 2 cr. Application of techniques and strategies for patient-centered and colleague-centered communication with an emphasis is on skills that enable development and maintenance of constructive interpersonal relationships in a variety of pharmacy practice settings. Prerequisites: 454 and credit or registration in 520.

506. PROFESSIONAL PHARMACY MANAGEMENT. 3 cr. Examination of the managerial aspects of pharmacy practice within the health care system with an emphasis on the basic financial, operational, and human resource management, knowledge, and skills necessary for a successful professional practice. Prerequisites: 477 and credit or registration in 520.

508. SELF CARE/PATIENT ASSESSMENT II MODULE. 2 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: 479 and credit or registration in 520.

510. CARDIOVASCULAR MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to cardiovascular drug therapy management. Prerequisites: Third

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Current Content: (page 4)

PHARMACY (PHRD) For Professionals Only

year standing and credit or registration in 520.

520. INTEGRATED LAB SEQUENCE V. 1 cr. Fifth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on ethics/law, communications, pharmacy management, self-care, patient assessment, and cardiovascular disorders. Prerequisites: Credit or registration in 502, 504, 506, 508, 510.

525. PHARMACOECONOMICS AND OUTCOMES. 2 cr. Introduction to the principles and tools of pharmacoeconomics and outcomes assessment that are commonly used to study the impact of pharmaceutical care services on the health and health care of a patient or community. Prerequisites: 477 and 506 and credit or registration in 549.

527. BONE AND JOINT MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to bone and joint disease drug therapy management. Prerequisites: 508 and credit or registration in 549.

529. SPECIAL POPULATIONS MODULE. 2 cr. Provides enhanced coverage of pharmacologic and therapeutic issues relevant to populations with alternative pharmaceutical needs because of unique diseases and altered pharmacokinetics and pharmacodynamics outside of the defined normal adult population. Prerequisites: 458, 474, 481, 508, 510 and credit or registration in 527, 531, 533, 535, 537, 549.

531. RESPIRATORY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to respiratory drug therapy management. Prerequisites: 458, 474 and credit or registration in 549.

533. RENAL/UROLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to renal and urology drug therapy management. Prerequisites: 510 and credit or registration in 549.

535. HEMATOLOGY/ONCOLOGY MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to hematology and oncology drug therapy management. Prerequisites: Third year standing and credit or registration in 549.

537. EYE, EARS, NOSE, THROAT, AND DERMATOLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to EENT and dermatologic drug therapy management. Prerequisites: 481, 508, 510 and credit or registration in 549.

549. INTEGRATED LAB SEQUENCE VI. 1 cr. Sixth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on pharmacoeconomics, bone/joint, special populations, respiratory, renal/urologic, hematologic/oncologic, and EENT/dermatologic disorders. Prerequisites: Credit or registration in 525, 527, 529, 531, 533, 535, 537.

600. ADVANCED COMMUNITY PHARMACY PRACTICE EXPERIENCE. 6 cr. This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care in the community pharmacy setting. Prerequisites: Fourth year standing.

602. ADVANCED INSTITUTIONAL PHARMACY PRACTICE EXPERIENCE. 6 cr. This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care and manage the pharmacy practice in the institutional setting. Prerequisites: Fourth year standing.

604. ADVANCE AMBULATORY CARE PHARMACY PRACTICE EXPERIENCE. 6 cr.

Continued (Page 5 of Item #85)

Current Content: (page 5)

PHARMACY (PHRD) For Professionals Only

Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings. Prerequisites: Fourth year standing.

605. PHARMACOTHERAPY FORUM. 3 cr. This course is the culminating experience in the core curriculum; students who complete the capstone course must demonstrate their competence in writing, speaking, and engaging in meaningful research projects. Prerequisites: Fourth year standing.

606. ADVANCED ADULT MEDICINE PHARMACY PRACTICE EXPERIENCE. 6 cr.

Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings.

608. ADVANCED SPECIALTY PHARMACY PRACTICE EXPERIENCE. 6 cr. This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care in the specialty pharmacy setting. Prerequisites: Fourth year standing.

610. ADVANCED PHARMACY PRACTICE ELECTIVE EXPERIENCE I. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Prerequisites: Fourth year standing.

612. ADVANCED PHARMACY PRACTICE ELECTIVE EXPERIENCE II. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Prerequisites: Fourth year standing.



END OF CURRENT CONTENT Courses of Instruction

PHARMACY (PHRD) – For Professionals Only

PHARMACY (PHRD)

Doctor of Pharmacy Requirements

Student admitted in Doctor of Pharmacy Program in 2009 and beyond are required to take the following PHRD courses.

Required for a major (PHRD): 400, 402, 404, 408, 410, 412, 414, 425, 427, 429, 431, 433, 435, 447, 449, 450, 452, 454, 456, 458, 470, 474, 477, 479, 481, 483, 499, 500, 502, 504, 506, 508, 510, 520, 525, 527, 529, 531, 533, 535, 537, 549, 600, 602, 604, 605, 606, 608, 610, 612 and 10 hours of pharmacy elective credit. – —Total of 164

Semester hours (Pharmacy elective credits must be taken while enrolled in the professional program)

For Professionals Only

400. MEDICAL MICROBIOLOGY. 3 cr. Discussion of bacterial, viral, fungal and parasitic pathogens

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PROPOSED CONTENT: (PAGE 1)

and the diseases they cause. Topics include microbial structure, physiology and genetics, virulence factors and mechanisms of tissue damage. Prerequisite: First Year Standing. Credit or registration in 420.

402. PRINCIPLES OF DRUG ACTION I. 5 cr. This course focuses on the molecular-level composition of living organisms in relationship to the biochemical and molecular biopharmaceutical bases of therapeutic intervention with medicinal substances, and associated foundational concepts of medicinal and pharmaceutical chemistry, pharmacology, and toxicology. Prerequisites: Credit or registration in 420.

404. PHARMACEUTICAL CALCULATIONS. 2 cr. Fundamentals of pharmaceutical measurement and calculations. Prerequisite: First Year Standing. Credit or registration in 420.

408. PHARMACEUTICS I. 3 cr. Fundamentals of physical pharmacy and an introduction to liquid oral dosage forms. Prerequisite: First Year Standing. Credit or registration in 420.

410. INTRODUCTION TO PHARMACY. 1 cr. An introduction to the pharmacist in society, modes of pharmacy practice, historical perspectives, fundamentals of professional responsibility. Prerequisite: First Year Standing. Credit or registration in 420.

412. PATHOPHYSIOLOGY I. 2 cr. Students will be introduced to disease processes at a cellular level. Prerequisite: First Year Standing. Credit or registration in 420.

414. TOP DRUGS AND MEDICAL TERMINOLOGY. 1 cr. Introduction to the origin and definition of medical terms used in healthcare settings. Arranged by body and organ systems with a heavy emphasis on pharmacology. Brand/Generic names, dosage forms, strengths, and therapeutic class of current top 200 drugs are covered. Co-Requisites: 420

420. INTEGRATED LAB SEQUENCE I. 2 cr. First in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on medical terminology, microbiology, drug action, therapeutics, calculations, pharmaceuticals, and pathophysiology. Prerequisite: Credit or registration in 400, 402, 404, 408, 410, 412.

425. PRINCIPLES OF IMMUNOLOGY. 2 cr. Detailed discussions of the stimulation, production and role of innate and acquired immune responses, health outcomes in immunopathological conditions, and the modulation of immune function using vaccines and other biotechnology products. Prerequisites: 400

427. PRINCIPLES OF DRUG ACTION II. 3 cr. A continuation of PHRD 402. Prerequisites: Completion of 402

429. PHARMACEUTICS II. 3 cr. Fundamentals of drug delivery systems. Prerequisites: 408

431. PHARMACY PRACTICE ETHICS AND LAW I. 2 cr. Distinguishes ethical from other kinds of issues in pharmacy, identifies options open to a pharmacist faced with an ethical issue. Students will be introduced to administrative law as it applies to the practice of pharmacy

433. DRUG INFORMATION RETRIEVAL. 2 cr. Orientation to current drug information systems, appropriate search strategies utilizing primary, secondary and tertiary resources combined with applications of common statistical tests seen in medical literature.

435. PATHOPHYSIOLOGY II. 3 cr. The student will continue to build on the knowledge from pathophysiology I as complete organ systems are introduced and the impact of diseases on these systems are studied. Prerequisites: 412

447. PARENTERALS. 1cr. The course introduces the student to the pharmaceuticals and clinical applications of parenterals. Topics include calculations, aseptic technique, and regulations impacting parenterals.

449. INTEGRATED LAB SEQUENCE II. 1 cr. Second in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on immunology, drug action, therapeutics, pharmaceuticals, law/ethics, informatics,

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PROPOSED CONTENT: (PAGE 2)

PHARMACY (PHRD) – For Professionals Only

pathophysiology, and parenterals. Prerequisites: 420 and credit or registration in 425,427, 429, 431, 433, 435, 447

450. COMMUNITY INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr. The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisite: First year standing

452. RESEARCH METHODS AND LITERATURE EVALUATION. 3 cr Introduction and application of basic concepts of research methodology and design needed for efficient evaluation, utilization and clinical application of medication information available in medical literature.

Prerequisites: 433

454. INTRODUCTION TO COMMUNICATIONS. 1 cr. Orientation to psychosocial and communication principles and techniques with application to professional practice environments and clinical counseling situations. Prerequisites: 410, 431, 433

456. BIOPHARMACEUTICS AND PHARMACOKINETICS. 3 cr. The study of the interrelationship between formulation factors and pharmacokinetic aspects of drug absorption, distribution, metabolism, and excretion. Prerequisites: 404

458. NEUROLOGY AND PSYCHIATRY MODULE. 5 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to neurology/psychiatric drug therapy management. Prerequisites: Second year standing

470. INTEGRATED LAB SEQUENCE III. 1 cr. Third in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on drug literature evaluation, communications, biopharmaceutics/pharmacokinetics, neurologic/psychiatric, and endocrinologic disorders. Prerequisites: credit or registration in 452, 454, 456, 458, 474.

474. ENDOCRINE MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to endocrine drug therapy management. Prerequisites: credit or registration in 458

477. HEALTH CARE SYSTEMS. 3 cr. An overview of the structure, organization, delivery, and financing of the U.S. health care system, managed health care and pharmacy services combined with the role of the pharmacist.

479. SELF CARE/PATIENT ASSESSMENT I MODULE. 4 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: Second year standing

481. INFECTIOUS DISEASES MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to infectious diseases drug therapy management.

Prerequisites: Second year standing

483. GASTROINTESTINAL, NUTRITION, AND HEPATIC MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to Gastrointestinal and Hepatic disease drug therapy management. Nutrition will also be covered. Prerequisites: 458

499. INTEGRATED LAB SEQUENCE IV. 1 cr. Fourth in a six semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on health-care systems, self-care; patient assessment, infectious diseases, and Gastrointestinal/-

Continued (Page 8 of Item #85)

PROPOSED CONTENT: (PAGE 3)

PHARMACY (PHRD) – For Professionals Only

nutritional/hepatic disorders. Prerequisites: credit or registration in 477, 479, 481, 483.

500. INSTITUTIONAL INTRODUCTORY PHARMACY PRACTICE EXPERIENCE. 4 cr. The purpose of this course is to expose students to entry-level pharmacy practice through working in a pharmacy practice site. Prerequisites: Second year standing.

502. PHARMACY PRACTICE ETHICS AND LAW II. 2 cr. This course reviews the principles of ethics as they apply to pharmacy practice. Students will focus primarily on the law as it applies to drugs, medical devices, and the practice of pharmacy. Prerequisites: 431

504. ADVANCED COMMUNICATION. 2 cr. Application of techniques and strategies for patient-centered and colleague-centered communication with an emphasis is on skills that enable development and maintenance of constructive interpersonal relationships in a variety of pharmacy practice settings. Prerequisites: 454

506. PROFESSIONAL PHARMACY MANAGEMENT. 3 cr. Examination of the managerial aspects of pharmacy practice within the health care system with an emphasis on the basic financial, operational, and human resource management, knowledge, and skills necessary for a successful professional practice. Prerequisites: 477.

508. SELF CARE/PATIENT ASSESSMENT II MODULE. 2 cr. Basic patient assessment skills required in the delivery of pharmaceutical care and principles of self care including: determining if self care is appropriate and recommending appropriate self care treatment. Prerequisites: 479

510. CARDIOVASCULAR MODULE. 6 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to cardiovascular drug therapy management. Prerequisites: Third year standing

520. INTEGRATED LAB SEQUENCE V. 1 cr. Fifth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on ethics/law, communications, pharmacy management, self-care, patient assessment, and cardiovascular disorders. Prerequisites: Credit or registration in 502, 504, 506, 508, 510.

525. PHARMACOECONOMICS AND OUTCOMES. 2 cr. Introduction to the principles and tools of pharmacoconomics and outcomes assessment that are commonly used to study the impact of pharmaceutical care services on the health and health care of a patient or community. Prerequisites: 477 and 506 a

527. BONE AND JOINT MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to bone and joint disease drug therapy management. Prerequisites: 508

529. SPECIAL POPULATIONS MODULE. 2 cr. Provides enhanced coverage of pharmacologic and therapeutic issues relevant to populations with alternative pharmaceutical needs because of unique diseases and altered pharmacokinetics and pharmacodynamics outside of the defined normal adult population. Prerequisites: 458, 474, 481, 508, 510 and credit or registration in 527, 531, 533, 535 537

531. RESPIRATORY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to respiratory drug therapy management. Prerequisites: 458, 474

533. RENAL/UROLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to renal and urology drug therapy management. Prerequisites: 510.

Continued (Page 9 of Item #85)

PROPOSED CONTENT: (PAGE 4)

PHARMACY (PHRD) – For Professionals Only

535. HEMATOLOGY/ONCOLOGY MODULE. 3 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to hematology and oncology drug therapy management.

Prerequisites: Third year standing

537. EYE, EARS, NOSE, THROAT, AND DERMATOLOGY MODULE. 2 cr. Principles of pathophysiology, pharmacology, medicinal chemistry, clinical pharmacokinetics and pharmacotherapy (including both prescription and non-prescription medications) as they apply to EENT and dermatologic drug therapy management. Prerequisites: 481, 508, 510

549. INTEGRATED LAB SEQUENCE VI. 1 cr. Sixth in a six-semester longitudinal course sequence reinforcing students' knowledge, skills, and attitudes necessary for current and future pharmacy practice. Focus on pharmacoconomics, bone/joint, special populations, respiratory, renal/urologic, hematologic/oncologic, and EENT/dermatologic disorders. Prerequisites: Credit or registration in 525, 527, 529, 531, 533, 535, 537.

551. Aging and Drug Use in the Elderly. 2 cr. An examination of normative and pathological aging and their effects on drug use and response in the aged population. Prerequisite: Second or third year pharmacy standing

552. Pharmacy Administration Case Studies. 2 cr. Case studies in medication safety, health care reform, drug marketing, pharmacy law and ethics, professional relations, and managerial accounting.

Prerequisites: PHRD 431, 477

553. Herbal Remedies. 3 cr. Study of herbal remedies and phytomedicinals widely used as self-selected products for therapeutic, quality of life, and prophylactic purposes. The course will focus on safety, efficacy, herb-food, & drug-herb interactions, role of pharmacists to properly assist consumers and aspects of marketing regulations. Prerequisites: Third Year Standing

554 Hospital Administration. 2 cr. The history of hospitals; organization and administration of patient care facilities; distribution of pharmaceuticals to inpatients; abilities required of the pharmacist; and the many roles of the pharmacist as a member of the health care team. Prerequisite: Second year standing.

555. Immunizations. 2 cr. An innovative and active training program that provides the skills necessary to become a primary source for vaccine advocacy, education and administration. Prerequisite: 3rd year pharmacy standing

556. Nuclear Pharmacy. 2 cr. Handling and storage of radioisotopes and their application to pharmacy practice. The official radiopharmaceuticals and non-official radiopharmaceuticals of merit employed in therapy will be considered. Prerequisite: Second year pharmacy

557. Pharmacogenetics. 3 cr. The course will provide students with basic concepts in pharmacogenetics and the role of inheritance on inter-individual variation in drug response. Prerequisite: 2nd year standing

558. Pharmacy Leadership. 3 cr. Introduction to leadership styles and skills with application through simulated cases and role play of simulated circumstances in the profession of pharmacy. Prerequisites: Second year pharmacy standing and consent of the instructor.

559. Selected Psychiatric and Substance Abuse Disorder Topics . 3 cr. This course will expand the pharmacy students' exposure to selected topics in behavioral health including pharmacotherapy of selected psychiatric topics. 3rd Pharmacy Standing

560. Retail Pharmacy Management. 3 cr. Managerial aspects in retail pharmacy practice with an emphasis on financial, operational, and human resource management. Prerequisite: PHRD 477

561. Women's Health and the Pharmacist. 3 cr. Practical information necessary to provide optimal pharmaceutical care to women in a wide variety of practice settings. Includes both social and therapeutic issues. Emphasis placed on drugs in pregnancy/lactation. Prerequisite: 3rd year pharmacy standing

Continued (Page 10 of Item #85)

PROPOSED CONTENT: (PAGE 5)

PHARMACY (PHRD) – For Professionals Only

562. Basic Strategies for Scholarly Communication. 2 cr. The student will be responsible for producing professional level education material. The student will produce an article that will be submitted to a pharmacy journal along with a presentation to faculty over their research. Prerequisite: 2nd year pharmacy standing.

563. Veterinary Pharmacotherapy. 3 cr. Pathogenesis, diagnosis, and rational therapeutic approaches to the treatment of selective disease states in companion animals. Pre-requisite: Second Year Standing

564. Problems. 1 – 3 cr. Individualized investigations of selected problems in pharmaceutical chemistry, pharmacognosy, pharmacology, clinical pharmacy, and pharmacy administration

600. ADVANCED COMMUNITY PHARMACY PRACTICE EXPERIENCE. 6 cr. This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care in the community pharmacy setting. Prerequisites: Fourth year standing.

602. ADVANCED INSTITUTIONAL PHARMACY PRACTICE EXPERIENCE. 6 cr. This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care and manage the pharmacy practice in the institutional setting. Prerequisites: Fourth year standing.

604. ADVANCE AMBULATORY CARE PHARMACY PRACTICE EXPERIENCE. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings. Prerequisites: Fourth year standing.

605. PHARMACOTHERAPY FORUM. 3 cr. This course is the culminating experience in the core curriculum; students who complete the capstone course must demonstrate their competence in writing, speaking, and engaging in meaningful research projects. Prerequisites: Fourth year standing.

606. ADVANCED ADULT MEDICINE PHARMACY PRACTICE EXPERIENCE. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in acute care settings.

608. ADVANCED SPECIALTY PHARMACY PRACTICE EXPERIENCE. 6 cr. This course allows students to apply the knowledge skills and attitudes necessary to provide pharmaceutical care in the specialty pharmacy setting. Prerequisites: Fourth year standing.

610. ADVANCED PHARMACY PRACTICE ELECTIVE EXPERIENCE I. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Prerequisites: Fourth year standing.

612. ADVANCED PHARMACY PRACTICE ELECTIVE EXPERIENCE II. 6 cr. Application of the knowledge, skills and attitudes necessary to provide pharmaceutical care in various settings. Prerequisites: Fourth year standing.

END OF PROPOSED CONTENT:

PHARMACY (PHRD) - For Professionals Only



END OF ITEM #85 (PHARMACY – PHRD COURSES OF INSTRUCTION)

Credit Hours:	
Current Level:	
Activity Type:	
Maximum Hours To Be Earned:	
Cross-Listed:	
Change Effective:	Summer I 2010
First Term Offered:	
Last Term Offered:	
Offered Fixed/Variable:	
Variable Range:	
Abbreviated Course Title:	
UCC Decision:	Approved
Notes:	

86. VAPA: DEPARTMENTS OF MUSIC AND DANCE requests:

Presenter:	R. Stephens
Action:	CREATE course HUMN503 – INTERDISCIPLINARY ARTS ABROAD
Proposed Course Description:	
503. INTERDISCIPLINARY ARTS ABROAD. 3 cr. Maximum 6 cr. An interdisciplinary study of fine arts and culture with study and travel abroad. Prerequisite: Approval of instructors.	
Credit Hours:	3
Current Level:	G
Activity Type:	LEC
Maximum Hours To Be Earned:	6
Cross-Listed:	
Change Effective:	102
First Term Offered:	102
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INTRDPLN ARTS ABROAD
UCC Decision:	Approved
Notes:	

87. VAPA: DEPARTMENTS OF MUSIC AND DANCE requests:

Presenter:	R. Stephens
Action:	CREATE course HUMN103 – INTERDISCIPLINARY

	ARTS ABROAD
Proposed Course Description: 103. INTERDISCIPLINARY ARTS ABROAD. 6 cr. Maximum 12 cr. An interdisciplinary study of fine arts and culture with study and travel abroad. Prerequisite: Approval of instructors.	
Credit Hours:	6
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	12
Cross-Listed:	
Change Effective:	102
First Term Offered:	102
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	INTRDPLN ARTS ABROAD
UCC Decision:	Approved
Notes:	

88. THE DEPARTMENT OF ENGLISH requests:

Presenter:	S. Hill
Action:	CREATE course ENGL 445 (WRITING FOR THE WEB)
Proposed Course Description: 445. WRITING FOR THE WEB. 3 cr. An introduction to writing effective content for the Web with emphasis on visual design, rhetorical principles, technology, and usability. Prerequisite: Registration in or completion of any junior-level or above writing course or permission of the department head.	
Credit Hours:	3
Current Level:	U
Activity Type:	LEC
Maximum Hours To Be Earned:	3
Cross-Listed:	
Change Effective:	104
First Term Offered:	104
Last Term Offered:	
Offered Fixed/Variable:	Fixed
Variable Range:	
Abbreviated Course Title:	WRITING FOR THE WEB
UCC Decision:	Approved

Notes:	
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Addendum:

Correction to previous minutes: