

Section 1. Proposed Course Outline (A general statement of course content that informs class syllabus construction.



Once approved, all sections of a given course must include this content, no matter which instructor teaches the course, or the mode of delivery. Divisions must include this new course outline in the Divisional Course Outline binder as required by COPPs.)

Course Number: HO 153 Full Course Title for print catalog: **Introduction to Pharmacology**

Abbreviated Course Title for Banner: **Intro to Pharmacology** (30 character limit)

Prerequisites: None

Co-requisites: None

Grade Option: X Graded (with P/NP option) ☐ Pass/No Pass only

Number/Type Credits	Term Minimum Contact	Term Maximum Contact	11-Week Term Contact
<u>3</u> Lecture	<u>30</u> hours (lecture credits x 10)	<u>36</u> hours (lecture credits x 12)	<u>33</u> hours (lecture credits x 11)
<u> </u> Lec/Lab	<u> </u> hours (lec-lab credits x 20)	<u> </u> hours (lec-lab credits x 24)	<u> </u> hours (lec-lab credits x 22)
<u> </u> Lab	<u> </u> hours (lab credits x 30)	<u> </u> hours (lab credits x 36)	<u> </u> hours (lab credits x 33)
<u>3</u> Total credits (sum)	<u>30</u> Total hours (sum)	<u>36</u> Total hours (sum)	<u>33</u> Total hours (sum)

Course Description (300 character limit): This course provides an overview of pharmacology for healthcare students including: principles, history, general drug classifications, regulations, pharmacokinetics, drug interactions, usage and dosage. Students will be introduced to the care and handling of many medications and gain awareness of drug related issues. Drug effects will be analyzed by a body systems approach.

Course Outcomes and Proficiencies

What will the student *know* or *be able to do* at the end of the course?

What *attitudes* related to the subject will the student hold?

Upon successful completion of this course, the student will:

Understand general principles of pharmacology

Understand pharmacological effects on the body

Be able to identify variables that may affect drug administration

Understand general drug classifications and their characteristics

Utilize basic math skills to solve dosage problems

Be able to identify safety issues that apply when administering medications

Understand how culture affects the use and acceptance of medications

Assessments Planned

What evidence will demonstrate that students have achieved course outcomes? (assessment tools may include departmental tests, written products, portfolios, juried performances, quizzes and exams, or alternative assessments such as qualitative studies, capstone projects, external reviewers, etc.)

How each outcome will be assessed:

Class discussion, class exercises, exams and quizzes

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Class discussion, class exercises, exams and quizzes

Individual and group math assignments, exams and quizzes

Class discussion, class exercises, exams and quizzes

Class discussion, class exercises and collaborative work groups

Course Content by Major Topics

What topics will be presented? What are the main activities of the course? What are the central themes?
(See sample at <http://www.lanecc.edu/cops/format3.htm>.)

Topics:

Introduction to Pharmacology

- History
- Drug regulation and approval
- Drug classes, schedules and categories
- Drug abbreviations used in medication prescriptions

Principles of Pharmacology

- Pharmacokinetics
- Pharmacodynamics
- Drug interactions
- Adverse reactions
- Individual variations in drug response

Review of widely prescribed drugs that affect the following body systems:

- Nervous system
- Cardiovascular system
- Immune system
- Respiratory system
- Digestive system
- Renal system
- Endocrine system
- Reproductive system
- Musculoskeletal system
- Integumentary system

Dosage Calculations

- Ratios, percents and proportions used in dosage calculations
- Application of metric measurements
- Conversion of household and apothecary measurements to metric

Section 2. Proposal Information

Course Developer:

Kelly Collins

Date: May 15, 2011

Catalog year to take effect:

2011-2012

Type of Proposal

☐ New course

☒ Currently 199 or 299

☐ Experimental Course

☐ 199 Special Studies

☐ 299 Trends

☐ Revised course (If increasing credits, use credit change form)

☐ Reactivated course with no change

☐ Reactivated course with changes

Type of Course:

☐ Lower Division Collegiate (transfer)

X Professional/Technical (required or elective)

☐ Developmental, numbered below 100

Rationale:

How does this proposal further the goals of the program or department?

This course is necessary to support the upgraded HRT Program Coding career pathway for 2012/2013.

With the advent of ICD-10 code transition beginning in 2012, pharmacology is one of the areas that coders must have a more in-depth understand of medications, routes, and their interactions on the body systems. The Intro to pharmacology course meets this need, along with the fact it will articulate into the future AAS HIM program (eta 2013/2014), as it is also a requirement for CAHIM certification. This course will also be available for other Health Professions programs as initially proposed.

What assessment evidence supports this proposal?

HRT/HIM Advisory Board Coding sub-committee recommendations, CAHIM credentialing documentation (ahima.org), and our current certified coding faculty.

How do you know there is a demand for this course?

Part of HRT program, and will be available to other programs as directed elective. (same as above)

Section 3. Curriculum Equity (<http://www.lanecc.edu/cops/curric.htm>)

To promote an environment where all learners are encouraged to develop their full potential, this course will support Lane's Curriculum Equity policy in the following way(s):

As outlined in LCC's policy and procedure system, this course will strive to:

1. Promote an environment where all learners are encouraged to develop their full potential;
2. Use materials which acknowledge the equal status of all human groups and integrates their social relationships;
3. Portray women and men from diverse cultural and ethnic backgrounds in a wide range of roles;
4. Use quotations, references and reading recommendations which are authored by individuals who endorse pluralism;
5. Use gendered examples equally when illustrating theories and concepts;
6. Use class materials which assist students in clearly recognizing and accepting basic similarities among all members of the human race as well as the uniqueness and worth of every individual. Examples of such material could include diverse individuals regardless of race, gender, age, religion, disability, national origin, marital status, or class background.
7. This will be offered in an online format annually, making it available to all LCC students no matter where their geographic location.

Section 4. For revised courses only: PREVIOUS Catalog/Course Information:

Course Number: _____ Course Title in Banner: _____ (30 characters maximum)

Full Course Title in print catalog:

Prerequisites:

Co-requisites:

Grade Option: ☐ Graded (with P/NP option) ☐ Pass/No Pass only

Number/Type Credits	Term Minimum Contact	Term Maximum Contact	11-Week Term Contact
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__ Lecture	__ hours (lecture credits x 10)	__ hours (lecture credits x 12)	__ hours (lecture credits x 11)
__ Lec/Lab	__ hours (lec-lab credits x 20)	__ hours (lec-lab credits x 24)	__ hours (lec-lab credits x 22)
__ Lab	__ hours (lab credits x 30)	__ hours (lab credits x 36)	__ hours (lab credits x 33)
__ Total credits (sum)	__ Total hours (sum)	__ Total hours (sum)	__ Total hours (sum)

Course Description:

What will change? ☐ Course Number ☐ Title ☐ Course Description ☐ Credit hours ☐ Contact hours

Section 5. Support Courses (New Professional/Technical course proposals must complete.)

Professional/Technical courses are tracked within programs for purposes of Carl Perkins funding and budgetary planning. Indicate all degree or certificate programs for which this course will be required.

Program	Division
HRT Coding Career Pathway certificate	Health Professions

Section 6. Overlap Courses (New course proposals must complete.)

While overlap of course materials is not necessarily a flaw, duplication of course materials may lead to inefficient use of college resources. If there is overlap, the faculty of overlapping courses must agree on the extent of overlap and attach a rationale explaining its necessity.

Indicate all departments/courses that this course may overlap. Division Dean of existing course enters one of two options at right. Note: N/A is not an option.

Options:

1. No overlap.
2. Approved: overlap is acceptable. Rationale attached.
3. Disapproved: reasons attached.

Division	Course Number / Title	% Overlap	Option	Division Dean of existing course (Signature required for all options)	Date
No overlap					

Section 7. Qualification to fulfill degree requirements (complete all relevant forms, available at <http://www.lanecc.edu/currshed/index.html> and send to Mary Brau for the Degree Requirements Review Committee):

☐ Form(s) applying for the following degree requirement status have been attached. (Only check this box when forms have been completed and attached.)

AAOT, ASOT-Bus, OTM:

- ☐ Arts & Letters
- ☐ Social Sciences
- ☐ Science /Computer Science
- ☐ Mathematics

AAOT:

- ☐ Cultural Literacy Option

AAS, 1-year and 2-year certificates:

- ☐ Human Relations

Section 8. Library Impact Statement

Under accreditation standards, Library consultation is essential for new programs, new courses and for substantively revised courses when the revisions entail any change in library use.

What assignments will require the use of library and information resources?

None

Each academic area has a Liaison Librarian (<http://www.lanecc.edu/library/services/liaison.htm>). Contact the designated librarian to discuss the library needs of your course. Please allow the librarian at least one week to assess library resources.

To be completed by Liaison Librarian:

☒ Library resources are adequate to support this proposal.

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

☐ Significant additional Library funds/resources are required to support this proposal.

Jennifer Klaudinyi

Liaison Librarian

5/23/2011

Date

Section 9. Divisional Approval (To be completed by Division Chair and Administrative Assistant)

Human, Physical, and Financial Resources:

☐ Additional instructional costs (staff, materials, services or facilities) will be incurred to offer this course. Source of funding:

☒ No additional instructional resources (staff, materials, services or facilities) are needed to offer this course.

Explain: faculty already teaching course

Required Certifications:

☒ We have developed minimum course certification standards according to the COPPs procedure "Instructor Qualifications: Credit," to be filed with ASA upon course approval.

☒ We have completed faculty certification form(s) for faculty qualified to teach this course, to be filed with ASA and Human Resources upon course approval.

Fees:

☐ We have completed fee rationale and fee request forms to be submitted to ASA upon course approval, in compliance with the COPPs procedure, "Fees: Special"

☐ No special fees will be required for this course.

Divisional Recommendation:

☐ The Division Chair and Administrative Assistant have reviewed this course proposal and kept a copy for divisional files.

☐ Faculty review of this course was completed within the division on ____ (date).

☐ Pass

☐ Do Not Pass

Administrative Assistant/Coordinator

Date

Academic Dean

Date

Section 10. College Approval

Curriculum Committee Chair

Date

Executive Dean for Academic Affairs

Date

Curriculum Approval Committee hearing:

Date

Vice President for Academic &
Student Affairs

Date