

Cover Sheet: Request 10322

NGR7176 Advanced Topics in Pharmacotherapeutics in Nursing

Info

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|-------------|--|
| Process | Course Modify Ugrad/Pro |
| Status | Pending |
| Submitter | Kiley,Cecile D ckiley@ufl.edu |
| Created | 7/13/2015 10:20:44 AM |
| Updated | 7/13/2015 10:51:09 AM |
| Description | This a revision to a DNP course as part of the revision to the curriculum to this professional degree program. |

Actions

| Step | Status | Group | User | Comment | Updated |
|---|----------|---|---------------|---------|-----------|
| Department | Approved | NUR - Nursing 313101000 | Haddad, Linda | | 7/13/2015 |
| Added NGR 7176 Advanced Topics in Pharmacotherapeutics & Genomics in Nursing UCC form.doc | | | | | 7/13/2015 |
| Added NGR 7176 Advanced Topics in Pharmacotherapeutics & Genomics in Nursing.doc | | | | | 7/13/2015 |
| College | Approved | NUR - College of Nursing | Haddad, Linda | | 7/13/2015 |
| No document changes | | | | | |
| University Curriculum Committee | Pending | PV - University Curriculum Committee (UCC) | | | 7/13/2015 |
| No document changes | | | | | |
| Statewide Course Numbering System | | | | | |
| No document changes | | | | | |
| Office of the Registrar | | | | | |
| No document changes | | | | | |
| Student Academic Support System | | | | | |
| No document changes | | | | | |
| Catalog | | | | | |
| No document changes | | | | | |
| College Notified | | | | | |
| No document changes | | | | | |

Syllabus Requirements Checklist

The University's complete Syllabus Policy can be found at:

http://www.aa.ufl.edu/Data/Sites/18/media/policies/syllabi_policy.pdf

The syllabus of the proposed course **must** include the following:

- Course title
- Instructor contact information (if applicable, TA information may be listed as TBA)
- Office hours during which students may meet with the instructor and TA (if applicable)
- Course objectives and/or goals
- A weekly course schedule of topics and assignments.
- Methods by which students will be evaluated and their grades determined
- Information on current UF grading policies for assigning grade points. This may be achieved by including a link to the appropriate undergraduate catalog web page:
<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>.
- List of all required and recommended textbooks
- Materials and Supplies Fees, if any
- A statement related to class attendance, make-up exams and other work such as: *"Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>."*
- A statement related to accommodations for students with disabilities such as: *"Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation."*
- A statement informing students of the online course evaluation process such as: *"Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results>."*

It is **recommended** that the syllabus contain the following:

- Critical dates for exams or other work
- Class demeanor expected by the professor (e.g. tardiness, cell phone usage)
- The university's honesty policy regarding cheating, plagiarism, etc.

Suggested wording: UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

- Contact information for the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies

UNIVERSITY OF FLORIDA
COLLEGE OF NURSING
COURSE SYLLABUS
SEMESTER/YEAR

| | |
|----------------------|--|
| <u>COURSE NUMBER</u> | NGR 7176 |
| <u>COURSE TITLE</u> | Advanced Topics in Pharmacotherapeutics & Genomics in Nursing |
| <u>CREDITS</u> | 3 |
| <u>PLACEMENT</u> | DNP Program |
| <u>PREREQUISITES</u> | NGR 6140 Physiology and Pathophysiology for Advanced Nursing Practice NGR 6172 Pharmacotherapeutics for Advanced Nursing Practice |
| <u>COREQUISITIE</u> | None |

FACULTY

Rose M. Nealis, PhD, ARNP (352) 273-6412 nealirm@ufl.edu
Office hours: Monday 1-3 pm HPNP, 2223

COURSE DESCRIPTION This course presents complex nursing care issues related to pharmacotherapeutics as an integral part of overall treatment. Emphasis is on evaluation research reports and discussion of current research literature in extant drug treatment and present and future developments. Focus is on the management of complex problems and issues exemplified in case studies emerging from specialty areas of nursing practice. The impact of the increased knowledge in genomics leading to personalized medicine will also be a focus of the course.

COURSE OBJECTIVES Upon completion of this course, the student will be able to:

1. Analyze original research reports related to pharmacological regimens in specialty areas of nursing practice.
2. Analyze specific nursing practice issues related to administrative, legal and economic aspects of pharmacological management.
3. Integrate presenting symptomatology, underlying pathophysiology and responses to pharmacological agents in specialty nursing practice including targeted therapies
4. Develop pharmacotherapeutic regimens taking into consideration desired nursing outcomes, including cost, risk, manageability of side effects, potential for adherence, and genomics.
5. Evaluate the effects of information resources on prescribing trends.
6. Evaluate the impact of personalized medicine on prescribing.

COURSE SCHEDULE

E-Learning in Sakai is the course management system that you will use for this course. E-Learning in Sakai is accessed by using your Gatorlink account name and password at <http://lss.at.ufl.edu>. There are several tutorials and student help links on the E-Learning login site. If you have technical questions call the UF Computer Help Desk at 352-392-HELP or send email to helpdesk@ufl.edu.

It is important that you regularly check your Gatorlink account email for College and University wide information and the course E-Learning site for announcements and notifications.

Course websites are generally made available on the Friday before the first day of classes.

TOPICAL OUTLINE

1. Pharmacogenetics/Personalized Medicine
 - a. Genomics
 - b. Targeted Therapies
2. New and projected drug developments and uses – design, methodology, and clinical testing
3. Drug interactions and polypharmacy
4. Randomized clinical trials
5. Economic issues
6. Legal and ethical issues
7. Administrative and regulatory issues
8. Drug research, development and marketing issues
9. Reading and interpreting drug research for applicability
10. Sources of public information and influences on demand for drugs
11. Special problems regarding the decision-making process for complex pharmacological management

TEACHING METHODS

Seminar discussion, case studies, guest speakers

LEARNING ACTIVITIES

Debate, Papers, Evaluation of Levels of Evidence

EVALUATION METHODS/COURSE GRADE CALCULATION

| | |
|-----------------------------------|-------|
| Paper on Cytochrome p450 Cycle | 35% |
| Advanced Paper | 35% |
| 6- Seminars/muddy point postings* | 6% |
| Weekly Quizzes | 24% |
| | <hr/> |
| | 100% |

MAKE UP POLICY

There will be no make-ups for missed quizzes. There will be a 10% deduction in points for day a paper is late unless the instructor is contacted prior to the due date for extenuating circumstances.

GRADING SCALE/QUALITY POINTS

| | | | |
|----|---------------|----|-------------------|
| A | 95-100 (4.0) | C | 74-79* (2.0) |
| A- | 93-94 (3.67) | C- | 72-73 (1.67) |
| B+ | 91- 92 (3.33) | D+ | 70-71 (1.33) |
| B | 84-90 (3.0) | D | 64-69 (1.0) |
| B- | 82-83 (2.67) | D- | 62-63 (0.67) |
| C+ | 80-81 (2.33) | E | 61 or below (0.0) |

* 74 is the minimal passing grade

For more information on grades and grading policies, please refer to University's grading policies: <http://gradcatalog.ufl.edu/content.php?catoid=4&navoid=907#grades>

UF GRADING POLICY

Please visit the following URL to understand how the University uses the course grade to compute your overall GPA:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

ATTENDANCE

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

Students are expected to be present for all scheduled classes, other learning experiences, and examinations. Students who have extraordinary circumstances preventing attendance should explain these circumstances to the course instructor **prior** to the scheduled class or as soon as possible thereafter. Instructors will then make an effort to accommodate **reasonable** requests.

ACCOMMODATIONS DUE TO DISABILITY

Each semester, students are responsible for requesting a memorandum from the Disability Resource Center (<http://www.dso.ufl.edu/index.php/drc/>) to notify faculty of their requested individual accommodations. This should be done at the start of the semester.

FACULTY EVALUATION

Students are expected to provide feedback on the quality of instruction in this course based on ten criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three

weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu>.

UNIVERSITY AND COLLEGE OF NURSING POLICIES:

Please see the College of Nursing website for a full explanation of each of the following policies - <http://nursing.ufl.edu/students/student-policies-and-handbooks/course-policies/>.

- Academic Honesty
- Religious Holidays
- Counseling and Mental Health Services
- Student Handbook
- Student Use of Social Media

REQUIRED TEXTBOOK

Selected journal readings and online resources

RECOMMENDED TEXTBOOKS

WEEKLY CLASS SCHEDULE

| Week | Topic | Assignments/Readings |
|------|------------------------------------|---|
| 1 | | Course Overview and Orientation See Canvas for objectives, readings and learning activities Post your Self Introduction Complete Quiz 1 |
| 2 | Genetics & Evidence Based Practice | Goodman & Gilman Chapter 7. Pharmacogenetics Tuesday Adobe Connect Session 8:00-9:00 pm EDT. Complete Quiz 2 by Sunday 11:59 pm EDT |
| 3 | Pharmaco-Genetics/Pharmacogenomics | Post any Muddy Points on Discussion Board for clarification at our Adobe Connect meeting by Monday, 7:00 pm EDT Complete Quiz 3 by Sunday, 11:59 pm EDT |
| 4 | Cytochrome p450 Drug Interactions | Drug Interaction Table http://medicine.iupui.edu/clinpharm/ddis/ Tuesday Adobe Connect Session 8:00-9:00 pm EDT Complete Quiz 4 by Sunday 11:59 pm EDT |

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|---|---|---|
| 5 | Cytochrome p450 Drug Interactions | Complete Quiz 5 by Sunday 11:59 pm EDT |
| 6 | New and Projected Drug development, Clinical Trials | <p>Post any Muddy Points on Discussion Board for clarification at our Adobe Connect meeting by Monday, 7:00pm EDT</p> <p>Tuesday Adobe Connect Session 8:00-9:00 pm EDT</p> <p>Complete Quiz 6 by Sunday 11:59 pm EDT</p> <p>Cytochrome P-450 Case Study by Thursday 11:00pm EDT</p> |
| 7 | Drug research Development and marketing Issues | <p>United States Pharmacy Law and Drug Regulation Review: Introduction e-book</p> <p>Access Pharmacy:</p> <ul style="list-style-type: none"> • New Drug Approval and Development • Preclinical Investigation • Investigational New Drug Application • Phase I • Phase II • Phase III • New Drug Application <p>Complete Quiz 7 by Sunday, 11:59 pm EDT</p> |
| 8 | Legal/Ethical Issues | <p>Pharmacogenomics: A Primer for Policymakers http://www.nhpf.org/library/background-papers/BP_Pharmacogenomics_01-28-08.pdf</p> <p>Tuesday Adobe Connect Session 08:00-9:00 pm EDT</p> <p>Complete Quiz 8 by Sunday 11:59 pm EDT</p> |
| 9 | Poly Pharmacy | <p>Starner, C.I., Gray, S.L., Guay, D.R., Hajjar, E.R., Handler, S.M. & Hanson, J.T.</p> <p>Chapter 8 Geriatrics Sections. Human Aging and Changes in Drug Pharmacokinetics and Pharmacodynamics and Drug-Related Problems in Older Adults.</p> <p>In Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, L. Michael Posey: Pharmacotherapy: A Pathophysiologic Approach, 7e: http://www.accesspharmacy.com/content.aspx?aID=3198295</p> |

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| | | <p>. Available as an e Book</p> <p>Choudhry, N.K., Fischer, M.A., Avorn, J., Liberman, J.N., Schneeweiss, S., Pakes, J., Brennean, T.A., & Schrank, W.H. The Implications of Therapeutic Complexity on Adherence to Cardiovascular Medications. (2011), <i>Archives Internal Medicine</i>. 171(9), 815-821.</p> <p>Complete Quiz 9 by Sunday 11:59 pm EDT</p> |
| 10 | Complementary and Alternative Medicine | <p>Tuesday Adobe Connect Session 8:00-9:00 pm EDT</p> <p>Complete Quiz 10 by Sunday, 11:59 pm EDT</p> |
| 11 | Controlled Substances: Prescribing, Monitoring and Abuse | <p>Tools to Assess Opioid Risk Management http://www.painedu.org/soapp.asp</p> <p>Goodman & Gilman Chapter 18 Opioids, Analgesia and Pain Management</p> <p>Complete Quiz 11 by Sunday, 11:59 pm EDT</p> <p>Final Paper due Sunday by 11:00pm EDT</p> |
| 12 | Clinical Decision Making in Complex Illness | <p>Model: Pain http://www.guideline.gov/summary/summary.aspx?view_id=1&doc_id=12243</p> <p>Interagency guideline on opioid dosing for chronic non-cancer pain: an educational pilot to improve care and safety with opioid treatment</p> <p>Tuesday Adobe Connect Session 8:00-9:00 pm EDT</p> |

Approved: Academic Affairs Committee: 02/05; 03/05; 06/15
Faculty: 03/05; 06/15
UF Curriculum: 02/06