UNIVERSITY OF FLORIDA

COLLEGE OF NURSING

COURSE SYLLABUS

FALL 2014

COURSE NUMBER NUR 3129 – Section IIHD

COURSE TITLE Pathophysiology and Psychopathology

CREDITS 4

PLACEMENT BSN Program: 1st Semester Upper Division

PREREQUISITES Admission to Upper Division BSN Program

COREQUISITES None

# FACULTY OFFICE PHONE OFFICE HOURS

# David J Derrico RN, MSN HPNP 352-273-6341 Tuesday 1130-1330

Assistant Clinical Professor 3202 (cell) 352-562-6305

[derridj@ufl.edu](mailto:derridj@ufl.edu)

Anna Hall Kelley, MSN, ARNP HPNP 352-273-6422 Tuesday 1300-1500

Clinical Assistant Professor 2221 cell 352-494-8053

[alkelley@ufl.edu](mailto:alkelley@ufl.edu)

Heidi Magyar, MSN, ARNP HPNP 352-895-8717 Monday 1130-1330

Clinical Assistant Professor 4219

[hcrowe@ufl.edu](mailto:hcrowe@ufl.edu)

DEPARTMENT CHAIR

Joyce Stechmiller, PhD,ACNP-BC FAAN

Associate Professor HPNP

Adult and Elderly Nursing 3230 352 273-6394 By Appointment

[stechjk@ufl.edu](mailto:stechjk@ufl.edu)

COURSE DESCRIPTION

The purpose of this course is to examine pathophysiology and psychopathology related to human

illness within a systems framework. Emphasis is on understanding pathophysiology and

psychopathology as alterations in normal functioning of individual client subsystems. Focus is

on presentation of selected pathophysiology and psychopathology and subsequent

symptomatology in diverse clients across the lifespan.

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

1. Utilize principles from the biological and behavioral sciences to understand

pathophysiological and psychopathological processes across the lifespan.

1. Explain relationships among pathophysiological processes, laboratory and diagnostic

tests, and clinical manifestations of selected illnesses.

1. Identify genetic factors that influence pathophysiological and psychopathological

processes in diverse clients.

1. Distinguish differences between developmental physiological alterations and

pathophysiological processes.

1. Explain psychological processes associated with functional alterations in clients

behavior.

1. Differentiate between developmental and behavioral alterations in clients across the life

span.

COURSE SCHEDULE

Wednesday 0725-1025 HPNP: 1404

Thursday 1040-1130 HPNP: 1404

Canvas is the course management system that you will use for this course. Canvas 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 Canvas login

site. If you have technical questions call the UF Computer Help Desk at 352-392-HELP or send

email to [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu) .

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

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

ATTENDANCE

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. A grade penalty may be assigned for late assignments, including tests.

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.

COUNSELING AND MENTAL HEALTH SERVICES

Students may occasionally have personal issues that arise on the course of pursuing higher education or that may interfere with their academic performance. If you find yourself facing problems affecting your coursework, you are encouraged to talk with an instructor and to seek confidential assistance at the University of Florida Counseling Center, 352-392-1575, visit their web site for more information: <http://www.counseling.ufl.edu/cwc/>.

STUDENT HANDBOOK

Students are to refer to the College of Nursing Student Handbook for information about College of Nursing policies, honor code, class demeanor and professional behavior. <http://nursing.ufl.edu/students/student-policies-and-handbooks/>.

ACADEMIC HONESTY

The University of Florida Student Conduct and Honor Code may be found at http://www.dso.ufl.edu/index.php/sccr/process/student-conduct-honor-code/

TOPICAL OUTLINE

1. Cellular metabolism and genetic basis of health

2. Fluid and electrolytes

3. Acid/base balance

4. Alterations in physiological systems

a. Hematopoietic system

b. Immune system

c. Cellular proliferation

d. Circulatory system

e. Pulmonary system

f. Digestive system

g. Endocrine system

h. Renal system

i. Reproductive systems including Physiology of Pregnancy

j. Neurological system

k. Musculoskeletal system

l. Integumentary system

5. Alterations in cognition, perception and affect

TEACHING METHODS

Lecture, audiovisual materials, written materials, and presentation of case studies.

LEARNING ACTIVITIES

Worksheets, readings, participation in discussion, case study analysis, and study questions.

EVALUATION METHODS/COURSE GRADE CALCULATION

3 Unit examinations 60%

Final exam 20%

Case study analysis 20%

Total 100%

Evaluation will be based on four objective tests each worth 100 points and a case study analysis assignment worth 100 points. Each exam is comprehensive and will include content previously tested in this course. The test scores will be averaged with the case study analysis and rounded to the nearest whole number to determine final course grade.

MAKE UP POLICY

Testing will be done at the time indicated on the course syllabus. Early testing is not an option and late testing will be given only in exceptional situations. Students must obtain approval of absence from David Derrico (273-6341) **prior** to the scheduled exam. Late testing will be completed within one week of the scheduled exam. TEN PERCENTAGE POINTS will be deducted from the exam score for UNEXCUSED absences.

GRADING SCALE/QUALITY POINTS

|  |  |  |
| --- | --- | --- |
| Letter Grade | Points | Quality Points |
| A | 95 – 100 | 4.0 |
| A- | 93 – 94 | 3.67 |
| B+ | 91 – 92 | 3.33 |
| B | 84 – 90 | 3.0 |
| B- | 82 – 83 | 2.67 |
| C+ | 80 – 81 | 2.33 |
| C | 74\* - 79 | 2.0 |
|  | \*74% is the minimum | passing grade |
| C- | 72 – 73 | 1.67 |
| D+ | 70 – 71 | 1.33 |
| D | 64 – 69 | 1.0 |
| D- | 62 – 63 | .67 |
| E | 61 or below | 0.0 |

For more information on grades and grading policies, please refer to University’s grading

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

FACULTY EVALUATIONS

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>.

This course will provide class time for students to complete the evaluation using laptops, smart phones, or other electronic devices.  The evaluation will be administered on December 10, 2014.  The instructors will not be present while the evaluation is being completed.

REQUIRED TEXT

McCance, K.L., & Huether, S. E. (2014). *Pathophysiology*: *The biologic basis for disease in*

*adults and children* (7th ed.). St. Louis: Mosby/Elsevier.

Townsend, M.C. (2014). *Essentials of psychiatric mental health nursing*: *Concepts of care in*

*evidenced-based practice* (6th ed.) Philadelphia: F.A. Davis.

RECOMMENDED TEXT

Van Leeuwen, A.M. & Poelhuis-Leth, D.J. (2013). *Davis’s comprehensive handbook of*

*laboratory and diagnostic tests with nursing implications* (5th ed.). Philadelphia:F.A. Davis

NUR3129 COURSE SCHEDULE:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Week # | Date | | Topics Readings & Assignments Faculty | | | |
| 1 | Wednesday, Aug.27  Thursday, Aug.28  Assignments | | Intro., Cellular Metabolism, ANS, Stress & Disease Derrico  Regulation, Metabolism, Oxygenation, Perfusion, & Stress  Physiology of Pain, Sleep, and Temperature Regulation Derrico  Comfort, Regulation & Sleep  McCance: Chapter 1: pp 21-24, Chapters 2, 10, 15  Narrated PPTs: Aging & Free Radicals  Homework: VITAL SIGNS EXERCISE | | | |
| 2 | Wednesday, Sept. 3  Thursday, Sept. 4  Assignments | | Cellular Injury & Inflammation Derrico  Regulation  Fluids and Electrolyte Disorders: Derrico  Regulation  McCance: Chapter 3: pp 96-114, Chapter 6 | | | |
| 3 | Wednesday Sept.10  Thursday, Sept.11  Assignments | | Fluids and Electrolyte Disorders: Derrico  Acid/Base Disorders  Regulation  Psychopathology Lecture #1 Magyar  Introduction to Psychopathology; Theories, & Models  McCance: Chapter 3: pp 114-123  Homework: WORKSHEET #1: ELECTROLYTES  WORKSHEET #2: ABG | | | |
| 4 | Wednesday Sept. 17  Thursday Sept. 18  Assignments | | Hematologic Disease Derrico  Oxygenation, and Vulnerability  Psychopathology Lecture #2 Magyar  Concepts in Depression  McCance: Chapters 25, 26, 27, 28 pp647-654, 1071-1076, 1078-1080  Townsend: Chapter 16  Narrated PPTs: Polycythemia, S. Cell Disease, Hemophilia & DIC  Homework: WORKSHEETS #3: CBC & #4: Coagulation | | | |
| 5 | Wednesday, Sept. 24  Thursday, Sept.25  Assignments | | **Exam #1 0725-0845 Computer Testing Center**  Immunity, Infection, Hypersensitivity at 0855 in 1404 Derrico  Immunity  NO CLASS  Narrated Lecture on Immunodeficiency/HIV  Immunity  McCance: Chapter 6, 7, 8, & 9  Narrated PPTs: Infection, Leukopenia, & AIDS  Homework: WORKSHEET #5: Culture & Sensitivity | | | |
| 6 | Wednesday, Oct. 1  Thursday, Oct. 2  Assignments | | Cancer: Mutations & Metastasis Derrico  Metabolism, Regulation, & Immunity  Psychopathology Lecture #3: Magyar  Concepts in Bipolar Disorder  McCance: Chapter 11 & 12 (skip 1019-1042), pp. 647-654  Townsend: Chapter 17 | | | |
| 7 | Wednesday, Oct. 8  Thursday Oct.9  Assignments | | Pulmonary Disease Derrico  Oxygenation  Psychopathology Lecture #4: Magyar  Concepts in Anxiety  McCance: Chapter 32, 33, & 34: 1336-1338, pp. 647-654.  Townsend: Chapter 18  Narrated PPTs: CF & Lung Cancer | | | |
| 8 | Wednesday, Oct.15  Thursday, Oct. 16  Assignments | | **Exam #2 0725-0845 Computer Testing Center**  Cardiovascular Disease at 0855 in 1404 Derrico  Oxygenation & Perfusion  Psychopathology Lecture #5: Magyar  Obsessive-Compulsive Related Disorders  McCance: Chapters 29 & 30, pp. 656  Townsend: Chapter 18 | | | |
| 9 | Wednesday, Oct. 22  Thursday Oct. 23  Assignments | | Cardiovascular Disease cont. Derrico  Oxygenation & Perfusion  A&P of Pregnancy Kelley    Psychopathology Lecture #6 Magyar  Schizophrenia and Psychotic Disorders  McCance: Chapters 23: pp.642-647, 850-870 & Chapter 35  Townsend: Chapter 15  Narrated PPT: PVD, Pulmonary Embolism | | | |
|  | Wednesday, Oct. 29  Thursday Oct.30  Assignments | | Urinary tract Disorders and Renal Failure Derrico Elimination  Psychopathology Lecture #7: Magyar  Delirium & Dementia    McCance: Chapters 36 & 38 , & pp. 542, 546-550  Townsend: Chapter 13  Narrated PPTs: Reproductive disorders  Homework: WORKSHEET #6: UA | | | |
| 11 | Wednesday, Nov. 5  Thursday, Nov. 6  Assignments | | Endocrine Disorders: Diabetes Derrico  Regulation & metabolism  Gastrointestinal Disorders  Nutrition & Elimination  Psychopathology Lecture #8: Magyar  Stress Disorders    McCance: Chapter 39 & pp. 338, 655-656  Townsend: Chapter 19  Narrated PPTS: Colon Cancer  Homework: WORKSHEET #7: LFTS & PANC.FUNCTION | | | |
| 12 | Wednesday, Nov. 12  Thursday, Nov. 13  Assignments | | Gastrointestinal Disorders Derrico  Nutrition & Elimination  Musculoskeletal Disease  Activity & Mobility  Neurologic Disease . Derrico  Cognition, Activity, Mobility, Perception  McCance: Chapters 41 & 42  Townsend: | | | |
| 13 | Wednesday, Nov.19  Thursday, Nov 20  Assignments | | **Exam #3 0725-0845 Computer Testing Center**  Neurologic Disease @0855 in 1404 Derrico  Cognition, Activity, Mobility, Perception  Psychopathology Lecture #10 Magyar  Eating Disorders  McCance: Chapter 21: pp 745-765  Chapter16: pp 557-560  Townsend: Chapter 22 | | | |
| 14 | Wednesday Nov. 26  Thursday, Nov 27 | | **THANKSGIVING HOLIDAYS – NO CLASS** | | | |
| 15 | Wednesday, Dec. 3  Thursday, Dec. 4  Assignments | | Neurologic Disease . Derrico  Cognition, Activity, Mobility, Perception  Psychopathology Lecture #10 Magyar  Somatic Symptoms and Related Disorders  McCance: Chapter 14, 16, 17  Townsend: Cpater 20  Narrated PPT: Brain Tumors & MD  Homework: WORKSHEET #8: CSF | | | |
| 16 | Wednesday Dec. 10  Assignments | | Endocrine Disease: Pituitary, Adrenal, Thyroid Derrico  Regulation & metabolismFaculty Evals  McCance: Chapter 20 & 21  **Case Study Analysis Due in class**  (Case Studies will be graded by Wednesday December 17th) | | | |
| **FINAL EXAM** | **Wednesday, Dec.17** | | **1630-1830 CUMULATIVE FINAL EXAM** | | | |
| Approved: | | | Academic Affairs Committee:  General Faculty:  UF Curriculum Committee: | | 06/00; 02/03; 09/09  03/96; 03/03; 09/09  04/96; 05/03; 10/09 | 04/07 |