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

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

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Clinical Assistant Professor 4219

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DEPARTMENT CHAIR

Joyce Stechmiller, PhD,ACNP-BC FAAN

Associate Professor HPNP

Adult and Elderly Nursing 3230 352 273-6394 By Appointment

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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 .

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:

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| --- | --- | --- |
| Week # | Date | Topics Readings & Assignments Faculty  |
|  1 | Wednesday, Aug.27Thursday, Aug.28Assignments | Intro., Cellular Metabolism, ANS, Stress & Disease DerricoRegulation, Metabolism, Oxygenation, Perfusion, & StressPhysiology of Pain, Sleep, and Temperature Regulation DerricoComfort, Regulation & SleepMcCance: Chapter 1: pp 21-24, Chapters 2, 10, 15 Narrated PPTs: Aging & Free Radicals Homework: VITAL SIGNS EXERCISE |
|  2 | Wednesday, Sept. 3Thursday, Sept. 4Assignments | Cellular Injury & Inflammation Derrico RegulationFluids and Electrolyte Disorders: Derrico RegulationMcCance: Chapter 3: pp 96-114, Chapter 6 |
|  3 | Wednesday Sept.10Thursday, Sept.11Assignments | Fluids and Electrolyte Disorders: DerricoAcid/Base Disorders RegulationPsychopathology Lecture #1 MagyarIntroduction to Psychopathology; Theories, & ModelsMcCance: Chapter 3: pp 114-123Homework: WORKSHEET #1: ELECTROLYTES  WORKSHEET #2: ABG   |
| 4 | Wednesday Sept. 17Thursday Sept. 18Assignments | Hematologic Disease DerricoOxygenation, and VulnerabilityPsychopathology Lecture #2 MagyarConcepts in DepressionMcCance: Chapters 25, 26, 27, 28 pp647-654, 1071-1076, 1078-1080Townsend: Chapter 16Narrated PPTs: Polycythemia, S. Cell Disease, Hemophilia & DIC Homework: WORKSHEETS #3: CBC & #4: Coagulation |
| 5 | Wednesday, Sept. 24Thursday, Sept.25Assignments | **Exam #1 0725-0845 Computer Testing Center**Immunity, Infection, Hypersensitivity at 0855 in 1404 Derrico ImmunityNO CLASSNarrated Lecture on Immunodeficiency/HIV ImmunityMcCance: Chapter 6, 7, 8, & 9Narrated PPTs: Infection, Leukopenia, & AIDSHomework: WORKSHEET #5: Culture & Sensitivity |
| 6 | Wednesday, Oct. 1Thursday, Oct. 2Assignments | Cancer: Mutations & Metastasis DerricoMetabolism, Regulation, & Immunity Psychopathology Lecture #3: MagyarConcepts in Bipolar Disorder McCance: Chapter 11 & 12 (skip 1019-1042), pp. 647-654Townsend: Chapter 17  |
|  7 | Wednesday, Oct. 8Thursday Oct.9Assignments | Pulmonary Disease DerricoOxygenationPsychopathology Lecture #4: MagyarConcepts in Anxiety McCance: Chapter 32, 33, & 34: 1336-1338, pp. 647-654.Townsend: Chapter 18Narrated PPTs: CF & Lung Cancer  |
|  8 | Wednesday, Oct.15Thursday, Oct. 16Assignments | **Exam #2 0725-0845 Computer Testing Center** Cardiovascular Disease at 0855 in 1404 Derrico Oxygenation & PerfusionPsychopathology Lecture #5: MagyarObsessive-Compulsive Related Disorders McCance: Chapters 29 & 30, pp. 656Townsend: Chapter 18  |
|  9 | Wednesday, Oct. 22Thursday Oct. 23Assignments | Cardiovascular Disease cont. Derrico Oxygenation & PerfusionA&P of Pregnancy Kelley  Psychopathology Lecture #6 Magyar Schizophrenia and Psychotic Disorders McCance: Chapters 23: pp.642-647, 850-870 & Chapter 35Townsend: Chapter 15Narrated PPT: PVD, Pulmonary Embolism |
|   | Wednesday, Oct. 29Thursday Oct.30Assignments | Urinary tract Disorders and Renal Failure Derrico EliminationPsychopathology 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. 5Thursday, Nov. 6Assignments | Endocrine Disorders: Diabetes DerricoRegulation & metabolism Gastrointestinal Disorders Nutrition & EliminationPsychopathology Lecture #8: Magyar Stress Disorders  McCance: Chapter 39 & pp. 338, 655-656Townsend: Chapter 19Narrated PPTS: Colon CancerHomework: WORKSHEET #7: LFTS & PANC.FUNCTION  |
| 12 | Wednesday, Nov. 12Thursday, Nov. 13Assignments | Gastrointestinal Disorders Derrico Nutrition & EliminationMusculoskeletal Disease Activity & MobilityNeurologic Disease . Derrico Cognition, Activity, Mobility, Perception McCance: Chapters 41 & 42Townsend:  |
| 13 | Wednesday, Nov.19Thursday, Nov 20Assignments | **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. 26Thursday, Nov 27 |  **THANKSGIVING HOLIDAYS – NO CLASS**  |
| 15 | Wednesday, Dec. 3Thursday, Dec. 4Assignments | Neurologic Disease . Derrico Cognition, Activity, Mobility, PerceptionPsychopathology Lecture #10 MagyarSomatic Symptoms and Related DisordersMcCance: Chapter 14, 16, 17Townsend: Cpater 20Narrated PPT: Brain Tumors & MDHomework: WORKSHEET #8: CSF  |
| 16 | Wednesday Dec. 10Assignments | Endocrine Disease: Pituitary, Adrenal, Thyroid DerricoRegulation & metabolismFaculty EvalsMcCance: 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; 09/0903/96; 03/03; 09/0904/96; 05/03; 10/09 | 04/07 |