UNIVERSITY OF FLORIDA

 COLLEGE OF NURSING

 COURSE SYLLABUS

 FALL 2015

COURSE NUMBER NUR 3129 – Section 11HD

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 Thursday 0830-1030

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

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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.
2. Explain relationships among pathophysiological processes, laboratory and diagnostic tests, and clinical manifestations of selected illnesses.
3. Identify genetic factors that influence pathophysiological and psychopathological processes in diverse clients.
4. Distinguish differences between developmental physiological alterations and pathophysiological processes.
5. Explain psychological processes associated with functional alterations in clients behavior.
6. Differentiate between developmental and behavioral alterations in clients across the life span.

COURSE SCHEDULE

 Friday 0830-1235 G101

E-Learning in Canvas is the course management system that you will use for this course. E-Learning in 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 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. 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

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| --- | --- | --- |
| 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>

REQUIRED RESOURCE

Exam soft will be utilized in this course for the administration of examinations. Students will be instructed by faculty on how to access and pay for this required resource.

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.

 COURSE SCHEDULE

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| Week # | Date | Topics Readings & Assignments  |
|  1 | Friday August 28 May Weekly assignments | Intro., Cellular Metabolism, ANS, Stress & Disease Regulation, Metabolism, Oxygenation, Perfusion, & Stress, Immunity, Comfort & SleepCellular Injury & Inflammation, Physiology of Pain, Sleep, Temperature Regulation & Vital Signs  McCance: pp. 25-28, Chapters 2, 7, 11, 16, & pp. 1668-1679.Aging & Free Radicals Narrated LectureHomework: VITAL SIGNS EXERCISE |
|  2 | Friday August 4Weekly assignments | Fluids and Electrolyte Disorders: RegulationAcid/Base Disorders Regulation/McCance: Chapter 3Homework: WORKSHEET #1 ELECTROLYTES & #2 ABG |
| 3 | Friday September 11Weekly assignments | Hematologic Disease Oxygenation & Immunity McCance: Chapters 27, 28, & 29, pp. 1063-1068. Polycythemia, Sickle Cell Disease, Hemophilia & DIC Homework: WORKSHEETS #3: CBC & #4: Coagulation  |
| 4 | Wednesday Sept 16FACULTY RETREAT **NO Friday Class**Weekly assignments | **1500-1700 EXAM 1 HPNP Auditorium (1404)**Web LecturesNeurotransmittersSubstance AbuseImmunity, Alterations in Immunity, & Infection Immunity  McCance: Chapters 7, 8, 9, & 10 Infection, Leukopenia, & AIDSHomework: WORKSHEET #5: Culture & Sensitivity |
| 5 | Friday September 25Weekly assignments | Cancer: Mutations & Metastasis, Metabolism, Regulation, & Immunity Leukemia, Lymphoma, & Multiple Myeloma G103 Metabolism, Regulation, & Immunity McCance: Chapters 12, 13, & pp. 1013-1035Disorders of the Breast  |
| 6 | Friday October 2Weekly assignments | Pulmonary Disease OxygenationMcCance: Chapters 34, 35, & pp. 1310-1312  Cystic Fibrosis & Lung Cancer  |
|  7 | Friday October 9Weekly assignments | Cardiovascular Disease Oxygenation & Perfusion McCance: Chapters 31, 32 Peripheral Vascular Disease & Pulmonary Embolism |
|  8 | **Wednesday Oct. 14**Friday October 16Weekly assignments | **1500-1700 EXAM 2 HPNP Auditorium (1404)**DiabetesUrinary Tract Disorders & Renal Disease Regulation & Elimination McCance: Chapters 37, 38, pp. 734-752. & 850-871. Male Reproductive disorders Homework: WORKSHEET #6: UA   |
|  9 | Friday October 23Weekly assignments | Gastrointestinal Disorders Nutrition & Elimination McCance: Chapters 40, 41. Colon CancerHomework: WORKSHEET #7: LFTS & PANC.FUNCTION   |
| 10 | Friday October 30 | Musculoskeletal DiseaseMobilityMcCance: Chapters 43 & 44 |
| 11 | **Wednesday Nov 4****NO FRIDAY CLASS** | **1500-1700 EXAM 3 HPNP Auditorium (1404)****HOMECOMING** |
| 12 | Friday November 13Weekly assignments | Neurologic Disease , increased ICP Cognition, Mobility, & PerceptionMcCance: Chapter 11, 15, 17, & 18 Brain Tumors & Muscular DystrophyHomework: WORKSHEET #8: CSF   |
| 13 | Friday November 20Weekly assignments | PsychopathologyCognition, Perception, & AffectTBA |
| 14 | **NO FRIDAY CLASS** | **THANKSGIVING HOLIDAY** |
| 15 | Wednesday August 5Weekly assignments | Endocrine Disease Regulation & Metabolism McCance: Chapters 21 & 22. (skip pp. 734-752)  |
| 16 | **Wednesday Dec 9** | **CASE STUDY DUE AT MY OFFICE BY NOON** |
| FINALS WEEK | **Wednesday Dec 16** | **1245-1445 CUMULATIVE FINAL EXAM G101** |

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/>.

Attendance

Academic Honesty

UF Grading Policy

Accommodations due to Disability

Religious Holidays

Counseling and Mental Health Services

Student Handbook

Faculty Evaluations

Student Use of Social Media

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| 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 |