

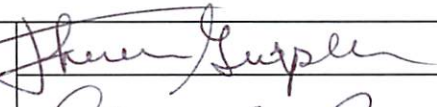
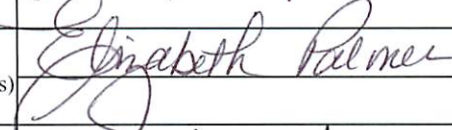
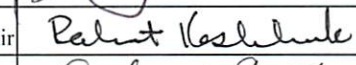
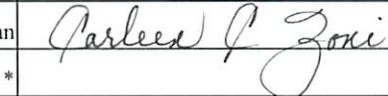

10-24h.

LSC Use Only No:	LSC Action-Date:	UWUCC USE Only No.	UWUCC Action-Date:	Senate Action Date:
		09-77h.	AP-9/2/10	App 11/2/10

**Curriculum Proposal Cover Sheet - University-Wide Undergraduate Curriculum Committee**

Contact Person Theresa Gropelli	Email Address tgropell@iup.edu
Proposing Department/Unit Department of Nursing and Allied Health Professions	Phone 724-357-2557

Check all appropriate lines and complete information as requested. Use a separate cover sheet for each course proposal and for each program proposal.

<b>1. Course Proposals (check all that apply)</b> <input type="checkbox"/> New Course <input type="checkbox"/> Course Prefix Change <input type="checkbox"/> Course Deletion <input checked="" type="checkbox"/> Course Revision <input type="checkbox"/> Course Number and/or Title Change <input type="checkbox"/> Catalog Description Change	
NURS 436 Adult Health II <hr/> <i>Current Course prefix, number and full title</i> <i>Proposed course prefix, number and full title, if changing</i>	
<b>2. Additional Course Designations: check if appropriate</b> <input type="checkbox"/> This course is also proposed as a Liberal Studies Course. <input type="checkbox"/> Other: (e.g., Women's Studies, Pan-African) <input type="checkbox"/> This course is also proposed as an Honors College Course.	
<b>3. Program Proposals</b> <input type="checkbox"/> New Degree Program <input type="checkbox"/> Program Title Change <input type="checkbox"/> Other <input type="checkbox"/> New Minor Program <input type="checkbox"/> New Track <input type="checkbox"/> Catalog Description Change <input type="checkbox"/> Program Revision	
<hr/> <i>Current program name</i> <i>Proposed program name, if changing</i>	
<b>4. Approvals</b>	
Department Curriculum Committee Chair(s)	 Date: 1/9/10
Department Chair(s)	 Date: 3/2/10
College Curriculum Committee Chair	 Date: 4/5/10
College Dean	 Date: 4-7-10
Director of Liberal Studies *	
Director of Honors College *	
Provost *	
Additional signatures as appropriate: (include title)	
UWUCC Co-Chairs	 Date: 9-22-10

\* where applicable

<p><b>Received</b>          SEP 22 2010          Liberal Studies</p>	<p><b>Received</b>          SEP 13 2010          Liberal Studies</p>	<p><b>Received</b>          APR 07 2010          Liberal Studies</p>
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## 1. Syllabus of record

### I. COURSE DESCRIPTION:

**NURS 436 Adult Health II**

**4 lecture hours**

**0 lab hours**

**4 credit hours**

**(4c-0l-4cr)**

**PRE-REQUISITES:** NURS 336, 337, 330, 331, 332, 333 or permission

**PRE OR**

**CO-REQUISITES:** NURS 412

**CO-REQUISITES:** NURS 437

Builds on Adult Health I; focusing on the adult/family coping with complex health problems. The relationships among disease states, treatment and associated nursing responsibilities are emphasized as students build their knowledge base of pharmacology, therapeutic procedures, rehabilitation needs and teaching-learning strategies. Principles underlying the use of technology in clinical practice provide a basis for the concurrent clinical course.

### II. COURSE OUTCOMES:

At the conclusion of the course students will be able to:

1. Explain the etiology, pathophysiology, clinical manifestations, sequelae and treatment of specific complex disorders.
2. Analyze individual/family needs for nursing care based on patient responses to critical and/or complex disease states.
3. Describe appropriate nursing interventions, including physiological and psychological rationale, for individuals with specific critical and/or complex health problems.
4. Draw appropriate conclusions about learning needs and teaching strategies for individuals/families coping with critical and/or complex health problems.
5. Recognize the impact of cultural/ethnic heritage on individual/family responses to complex health problems.
6. Evaluate the usefulness of researched-based data for the care of individuals/families with complex health care needs.

### III. COURSE OUTLINE:

## Unit I Issues in Complex Care Nursing

### *Week 1*

- I. Patient/Family Experiences with Critical/Complex Health Problems (4 hrs.)
  - A. Unique perception of illness
  - B. Identification of stressors and responses
  - C. Identifying coping mechanisms
  - D. Supportive interventions
    - 1. Therapeutic presence
    - 2. Cognitive coping
    - 3. Guided imagery
    - 4. Music therapy
    - 5. Humor therapy
  - E. Supporting the grieving family
- II. Advanced Directives in Critical Care
  - A. Patients with sudden acute illness
  - B. Patients with chronic illness
  - C. Organ tissue donations
- III. Current Trends/Issues in Complex Care

## Unit II Problems Related to Physiologic Homeostasis

### *Weeks 2-3*

- I. Electrolyte imbalance (3 hrs.)
  - A. Etiology
  - B. Pathophysiologic processes
    - 1. Effects of aging
  - C. Clinical manifestations
  - D. Collaborative care
  - E. Independent nursing care
    - 1. Patient education
  - F. Home care
- II. Introduction to cardiac arrhythmias and hemodynamic monitoring (2 hrs.)
- III. Shock (hypovolemic, cardiogenic, anaphylactic, distributive) (2 hrs.)
  - A. Etiology
  - B. Pathophysiologic processes
    - 1. Effects of aging
  - C. Clinical manifestations
  - D. Acute collaborative care
  - E. Independent nursing care
- Exam (Units I and II)** (1 hr.)

**Unit III Problems with Cardiac Function****Week 4****I. Myocardial Infarction**

(2 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical Manifestations
  - 1. Complications – Cardiogenic shock
- D. Acute collaborative care
  - 1. Medical treatment
  - 2. Surgical treatment
- E. Independent nursing care
  - 1. Patient education

**II. Cardiac Rehabilitation**

(1 hr.)

- A. Exercise program
- B. Dietary changes
- C. Recognition of stressors/Stressor reduction

**III. Cardiac Myopathies and Valvular Disease**

(1 hr.)

- A. Etiology
- B. Pathophysiologic process
- C. Clinical manifestations
- D. Acute collaborative care
  - 1. Medical treatment
  - 2. Surgical treatment
- E. Independent nursing care
  - 1. Patient education
- F. Discharge planning/Home care

**Unit IV Problems Related to Oxygenation****Week 5****I. Complex Respiratory Diseases**

(3 hrs.)

(Acute Respiratory Failure, ARDS, Pulmonary Emboli, Pneumothorax)

- A. Etiology
- B. Pathophysiologic process
- C. Clinical manifestations
- D. Acute collaborative care
- E. Independent nursing care
  - 1. Patient education
- F. Discharge planning/Home care

**Exam (Units III and IV)**

(1 hr.)

**Unit V Problems with Liver/Biliary Function****Weeks 6-7**

**I. Cirrhosis**

(3 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Complications
  - 1. Varices
  - 2. Encephalopathy
- E. Acute collaborative care
  - 1. Medical treatment
  - 2. Surgical treatment
- F. Independent nursing care
- G. Discharge planning/Home care

**II. Hepatitis A, B, C**

(2 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Complications
- E. Acute collaborative care
- F. Independent nursing care
  - 1. Patient education
- G. Discharge planning/Home care

**III. Cholecystitis and Pancreatitis**

(2 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Complications
- E. Acute collaborative care
- F. Independent nursing care
  - 1. Patient education
- G. Discharge planning/Home care

**Unit V Exam**

(1 hr.)

**Unit VI Problems with Renal Function**

***Weeks 8-11***

**I. Acute Renal Failure (ATN, Glomerulonephritis)**

(3 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Acute collaborative care
- E. Independent nursing care
  - 1. Patient education

F. Discharge planning/Home care

**II. Chronic Renal Failure**

(3 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Acute collaborative care
  - 1. Hemodialysis
  - 2. Peritoneal dialysis
- E. Independent nursing care
  - 1. Patient education
- F. Discharge planning/Home care

**Unit VII Problems of the Immune System**

**I. Hypersensitivity/Allergic Reactions**

(3 hrs.)

- A. Types I – III (antibody based)
  - 1. Local and systemic anaphylaxis
  - 2. Blood transfusion reactions
  - 3. Immune complex
- B. Pathologic processes
  - 1. Effects of aging
- C. Clinical manifestations
- D. Acute collaborative care
- E. Patient education/prophylaxis

**II. Principles of Autoimmunity**

(1 hr.)

- A. Theories of self tolerance
- B. Theories of autoimmune diseases

**III. Transplantation**

(1 hr.)

- A. Immunologic principles of organ transplant
- B. Transplant rejection (Type IV hypersensitivity)

**IV. Human Immunodeficiency Viral Infection**

(4 hrs.)

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Stages of infection
- D. Acute collaborative care
- E. Independent nursing care
- F. Discharge planning/Patient education

**Exam (Units VI and VII)**

(1 hr.)

**Unit VIII Problems of Neurologic Function****Weeks 12-13**

- I. Cerebral Vascular Accidents (2 hrs.)
  - A. Etiology
  - B. Pathophysiologic process
    - 1. Atherosclerotic plaque
    - 2. Thrombi
    - 3. Intracranial bleeding/aneurysms
  - C. Acute collaborative care
  - D. Independent nursing care
    - 1. Patient education
  - E. Discharge planning/Home care
  
- II. Increased Intracranial Pressure (2 hrs.)
  - A. Etiology
    - 1. Head Trauma
    - 2. Tumors
    - 3. Infection
  - B. Acute collaborative care
    - 1. Medical intervention
    - 2. Surgical intervention
  - C. Independent nursing care
  
- III. Neurological Disorders (MS, Parkinson's Disease) (2 hrs.)
  - A. Etiology
  - B. Pathophysiologic process
    - 1. Effects of aging
  - C. Clinical manifestations
  - D. Acute collaborative care
  - E. Independent nursing care
  - F. Discharge planning/home care
  
- IV. Neuromuscular Disorders (Myasthenia Gravis, ALS) (2 hrs.)
  - A. Etiology
  - B. Pathophysiologic processes
    - 1. Effects of aging
  - C. Clinical manifestations
  - D. Acute collaborative care
  - E. Independent nursing care
  - F. Discharge planning/Home care

**Unit IX Problems of the Musculoskeletal System****Week 14**

- I. Rheumatoid and Osteo Arthritis (3 hrs.)
  - A. Etiology
  - B. Pathophysiologic processes
    - 1. Effects of aging

- C. Clinical manifestations
- D. Acute collaborative care
  - 1. Medical interventions
  - 2. Surgical interventions
- E. Independent nursing care
- F. Discharge planning/Home care

## II. Other Musculoskeletal Disorders

- A. Osteomyelitis, Osteoporosis, fractures

### Exam (Units VIII and IX)

(1 hr.)

### Final Exam

(2 hrs)

## IV. EVALUATION METHODS\*

- 50% Unit Exams (multiple choice)
- 20% Final exam (multiple choice)
- 10% Written assignments
- 10% Individual or collaborative case study analysis
- 10% Assigned projects

## V. GRADING SCALE:

- A 90-100%
- B 80-89%
- C 70-79%
- D 60-69%
- F Less than 60%

\*To progress in the Nursing Program, the student must achieve at least a 70% average grade on the exams AND at least a 70% average grade on all other assignments.

## VI. ATTENDANCE POLICY:

Although there is no formal attendance policy for this class, student learning is enhanced by regular attendance and participation in class discussions.

## VII. REQUIRED TEXTBOOKS:

Hodges, R. (2005). *Hemodynamic monitoring*. Philadelphia: W.B. Saunders.

Lewis, S., Heitkemper, M, Dirksen, S, O'Brien, P. and Bucher, L. (2007). *Medical-surgical nursing: Assessment and management of clinical problems*. 7<sup>th</sup> Ed. St.Louis: Mosby Elsevier.

O'Brien, P. (2007). *Study guide for medical-surgical nursing: Assessment and management of clinical problems*. 7<sup>th</sup> Ed. St. Louis: Mosby Elsevier.

Schumacher, L. and Chernecky, C. (2005). *Critical care & emergency nursing*. Philadelphia: W.B. Saunders.



**VIII. SPECIAL RESOURCE REQUIREMENTS:**

None

**IX. BIBLIOGRAPHY:**

- AACN Practice Alert: Ventilator associated pneumonia (2008). *Critical Care Nurse*, 28(3) p. 83-85.
- Astle, S. (2005). Restoring electrolyte imbalance. *Nursing*, 68 (5) 34-40.
- Augustyn, B. (2007). VAP: Risk factors and prevention. *Critical Care Nurse*, 27(4), 32-39.
- Barker, E. (2005). New hope for stroke patients. *RN*, 68(2). 38-43.
- Barker, E. (2006). A new weapon to combat STROKE. *RN*, 69(3). 26-30.
- Brenner, Z. & Krenzer, M. (2010). Understanding acute pancreatitis. *Nursing* 40(1). 32-38.
- Bridges, E. & Dukes. S. (2005). Cardiovascular aspects of septic shock *Critical Care Nurse*, 25(2). 14-42.
- Broschious, S. & Castagnola, J. (2006). Chronic kidney disease: acute manifestations and role of critical care nurses. *Critical Care Nurse*, 26(4), 17-28.
- Castner, D. (2010). Understanding the stages of chronic kidney disease. *Nursing*, 40(5), 25-32.
- Chojnowski, D. (2007). Protecting patient from harm: Taking aim at heart failure. *Nursing*, 37(11), 50- 56.
- Cooper, E. (2008). VRE: How you can stop the spread of this drug-resistant organism. *RN*, 71(2). 27-31.
- Coughlin, A. (2006). Go with the flow of chest tube therapy. *Nursing*, 36(3). 36-42.
- David, K. (2007). IV fluids: Do you know what's hanging and why? *RN*, 70(10). 35-41.
- Goldich, G. (2006). Understanding the 12-lead ECG, part I. *Nursing*, 36(11), 36-42.
- Goldich, G. (2006). Understanding the 12-lead ECG, part II. *Nursing*, 36(12), 36-42.
- Gray, A., Hart, M., Dalrymple, K., & Davies, T. (2008). Promoting safe transfusion practice: Right blood, right patient, right time. *British Journal of Nursing*, 17(13). 812-816.
- Hayes, D. (2007). When potassium takes dangerous detours. *Nursing*, 37(11). 56hn1-56hn2.
- Holcomb, S. (2007). Stopping the destruction of acute pancreatitis. *Nursing*, 37(6), 42-48.
- Jones, S. (2006). A step-by-step approach to HIV/AIDS. *The Nurse Practitioner* 31(6), 26-41.
- Kara, B., Caglar, K., & Kilic, S. (2007). Nonadherence with diet and fluid restrictions and perceived social support in patients receiving hemodialysis. *Journal of Nursing Scholarship*, 39(3). 243-249.
- Kirton, C. (2008). Managing long-term complications of HIV infection. *Nursing*, 38(8). 44-51.
- Kyles, D. (2007). Is your patient having a transfusion reaction? *Nursing*, 37(4), 64hn1-64hn4.
- Lackey, S. (2006). Best-practice interventions: Suppressing the scourge of AMI. *Nursing*, 36(5). 36-42.

- Luttenberger, K. (2010). Battling VAP: from a new angle. *Nursing*, 40(2). 52-55.
- Manno, M. (2005). Managing mechanical ventilation. *Nursing*, 35(12). 36-42.
- Martchev, D. (2008). Improving quality of life for patients with kidney failure. *RN*, 71(4). 31-37.
- Miller, J. (2007). Keeping your patient hemodynamically stable. *Nursing*, 37(5). 36-42.
- Miller, J. & Elmore, S. (2005). Call a stroke code! *Nursing*, 35(3). 58-64.
- Palatnik, A. (2009). Too fast, too slow, too ugly: Dysrhythmias that every nurse should recognize. *Nursing*, 39(9). 38-46.
- Palmieri, R. (2008). Caring for a medical/surgical patient with MS. *Nursing*, 38(10). 34-41.
- Pruitt, B. & Jacobs, M. (2006). How can you prevent ventilator-associated pneumonia? *Nursing*, 36(2). 36-42.
- Pullen, R., Brewer, S. & Ballard, A. (2009). Putting a face on systemic lupus erythematosus. *Nursing*, 39(8). 22-29.
- Riegel, B., Dickson, V., Cameron, J., Johnson, J., Bunker, S., Page, K., & Worrall-Carter, L. (2010). Symptom recognition in elders with heart failure. *Journal of Nursing Scholarship*, 42(1). 92-100.
- Rooney, J. (2005). Systemic lupus erythematosus: Unmasking a great imitator. *Nursing*, 35(11). 54-61.
- Siow, E. (2008). Enteral versus parenteral nutrition for acute pancreatitis. *Critical Care Nurse*, 28(4). 19-30.
- Smeltzer, M. (2010). Making a point about open fractures. *Nursing*, 40 (4). 24-31.
- Sullivan, B. (2008). Nursing management of patients with a chest drain. *British Journal of Nursing*, 17(6). 388-393.
- Tracy, M. et al (2005). Use of complementary and alternative therapies: A national survey of critical care nurses. *141*(5) 404-414.
- Zink, E. (2005). Managing traumatic brain injury. *Nursing*, 35(9). 36-44.

### Websites

AIDS [http://www.cdc.gov/nchstp/hiv\\_aids/dhap.htm](http://www.cdc.gov/nchstp/hiv_aids/dhap.htm)

American Heart Association. <http://www.americanheart.org/>

CABG surgery [http://nursing.about.com/health/nursing/library/weekly/aa061798.htm?PM=68\\_193\\_T](http://nursing.about.com/health/nursing/library/weekly/aa061798.htm?PM=68_193_T)

Centers for Disease Control. <http://www.cdc.gov/health/diseases.htm>

Heart Disease <http://heartdisease.about.com/health/heartdisease/mbody.htm>

Hepatitis Information Network [www.hepnet.com](http://www.hepnet.com)

Renal Failure <http://www.renalworld.com/>

**2. A summary of the proposed revisions- to add new or changed pre- or co- requisites.**

Change Prerequisites from NURS 338 and 339 to NURS 330, 331, 332, 333

**3. Justification or rationale- to ensure appropriate progress through the program.**

Courses NURS 338 was split into two courses, NURS 330 and 332. NURS 339 was split into two courses, NURS 331 and 333. This allows the student to be evaluated on Maternal-Neonatal care and care of the child separately. This change would ensure appropriate progression thru the program

#### 4. The old syllabus of record

##### I. Course Description

###### NURS 436 Adult Health II

**4 lecture hours**

**0 lab hours**

**4 credit hours**

(4c-0l-4cr)

**Prerequisites:** NURS 336, 337, 338, 339 or permission

**Prerequisite or corequisite:** NURS 412

**Corequisite:** NURS 437

Builds on Adult Health I, focusing on the adult/family coping with complex health problems. The relationships among disease states, treatment and associated nursing responsibilities are emphasized as students build their knowledge base of pharmacology, therapeutic procedures, rehabilitation needs and teaching-learning strategies. Principles underlying the use of technology in clinical practice provide a basis for the concurrent clinical course.

##### II. Course Objectives

At the conclusion of the course students will be able to:

1. Explain the etiology, pathophysiology, clinical manifestations, sequelae and treatment of specific complex disorders
2. Analyze individual/family needs for nursing care based on patient responses to critical and/or complex disease states
3. Describe appropriate nursing interventions, including physiological and psychological rationale, for individuals with specific critical and/or complex health problems
4. Draw appropriate conclusions about learning needs and teaching strategies for individuals/families coping with critical and/or complex health problems
5. Recognize the impact of cultural/ethnic heritage on individual/family responses to complex health problems
6. Evaluate the usefulness of researched-based data for the care of individuals/families with complex health care needs

##### III. Course Outline

###### Unit I Issues in Complex Care Nursing

###### Week 1

###### I. Patient/Family Experiences with Critical/Complex Health Problems

4 hrs.

- A. Unique perception of illness
- B. Identification of stressors and responses
- C. Identifying coping mechanisms
- D. Supportive interventions
  1. Therapeutic presence

- 2. Cognitive coping
- 3. Guided imagery
- 4. Music therapy
- 5. Humor therapy
- E. Supporting the grieving family

- II. Advanced Directives in Critical Care
  - A. Patients with sudden acute illness
  - B. Patients with chronic illness
  - C. Organ tissue donations

III. Current Trends/Issues in Complex Care

**Unit II Problems Related to Physiologic Homeostasis**

Weeks 2-3

I. Electrolyte imbalance

3 hrs.

- A. Etiology
- B. Pathophysiologic processes
  - 1. Effects of aging
- C. Clinical manifestations
- D. Collaborative care
- E. Independent nursing care
  - 1. Patient education
- F. Home care

II. Introduction to cardiac arrhythmias and hemodynamic monitoring

2 hrs.

III. Shock (hypovolemic, cardiogenic, anaphylactic, distributive)

2 hrs.

- A. Etiology
- B. Pathophysiologic processes
  - 1. Effects of aging
- C. Clinical manifestations
- D. Acute collaborative care
- F. Independent nursing care

**Exam (Units I and II)**

1 hr.

**Unit III Problems with Cardiac Function**

Week 4

I. Myocardial Infarction

2 hrs.

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical Manifestations
  - 1. Complications – Cardiogenic shock
- D. Acute collaborative care

- 1. Medical treatment
- 2. Surgical treatment
- F. Independent nursing care
  - 2. Patient education

## II. Cardiac Rehabilitation

- A. Exercise program
- B. Dietary changes
- C. Recognition of stressors/Stressor reduction

1 hr.

## III. Cardiac Myopathies and Valvular Disease

- A. Etiology
- B. Pathophysiologic process
- C. Clinical manifestations
- D. Acute collaborative care
  - 1. Medical treatment
  - 2. Surgical treatment
- F. Independent nursing care
  - 1. Patient education
- F. Discharge planning/Home care

1 hr.

## Unit IV Problems Related to Oxygenation

### Week 5

#### I. Complex Respiratory Diseases

(Acute Respiratory Failure, ARDS, Pulmonary Emboli, Pneumothorax)

- A. Etiology
- B. Pathophysiologic process
- C. Clinical manifestations
- D. Acute collaborative care
- G. Independent nursing care
  - 1. Patient education
- H. Discharge planning/Home care

3 hrs.

#### Exam (Units III and IV)

1 hr.

## Unit V Problems with Liver/Biliary Function

### Weeks 6-7

#### I. Cirrhosis

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Complications
  - 1. Varices
  - 2. Encephalopathy
- E. Acute collaborative care
  - 1. Medical treatment

3 hrs.

- 2. Surgical treatment
- F. Independent nursing care
- G. Discharge planning/Home care

## II. Hepatitis A, B, C

2 hrs.

- A. Etiology
- B. Pathophysiologic process
  - 1. Effects of aging
- C. Clinical manifestations
- D. Complications
- G. Acute collaborative care
- H. Independent nursing care
  - 1. Patient education
- G. Discharge planning/Home care

## III. Cholecystitis and Pancreatitis

2 hrs.

- H. Etiology
- I. Pathophysiologic process
  - 1. Effects of aging
- J. Clinical manifestations
- K. Complications
- L. Acute collaborative care
- M. Independent nursing care
  - 1. Patient education
- N. Discharge planning/Home care

## Unit V Exam

1 hr.

## Unit VI Problems with Renal Function

Weeks 8-11

### I. Acute Renal Failure (ATN, Glomerulonephritis)

3 hrs.

- G. Etiology
- H. Pathophysiologic process
  - 1. Effects of aging
- I. Clinical manifestations
- J. Acute collaborative care
- K. Independent nursing care
  - 1. Patient education
- L. Discharge planning/Home care

### II. Chronic Renal Failure

3 hrs.

- A. Etiology
- G. Pathophysiologic process
  - 1. Effects of aging
- H. Clinical manifestations
- I. Acute collaborative care

- 3. Hemodialysis
- 4. Peritoneal dialysis
- J. Independent nursing care
  - 1. Patient education
- K. Discharge planning/Home care

## Unit VII Problems of the Immune System

### I. Hypersensitivity/Allergic Reactions

3 hrs.

- B. Types I – III (antibody based)
  - 1. Local and systemic anaphylaxis
  - 2. Blood transfusion reactions
  - 3. Immune complex
- B. Pathologic processes
  - 1. Effects of aging
- C. Clinical manifestations
- D. Acute collaborative care
- E. Patient education/prophylaxis

### II. Principles of Autoimmunity

1 hr.

- C. Theories of self tolerance
- D. Theories of autoimmune diseases

### III. Transplantation

1 hr.

- C. Immunologic principles of organ transplant
- D. Transplant rejection (Type IV hypersensitivity)

### IV. Human Immunodeficiency Viral Infection

4 hrs.

- G. Etiology
- H. Pathophysiologic process
  - 1. Effects of aging
- I. Stages of infection
- J. Acute collaborative care
- K. Independent nursing care
- L. Discharge planning/Patient education

### Exam (Units VI and VII)

1 hr.

## Unit VIII Problems of Neurologic Function

Weeks 12-13

### I. Cerebral Vascular Accidents

2 hrs.

- E. Etiology
- F. Pathophysiologic process
  - 4. Atherosclerotic plaque
  - 5. Thrombi



- 6. Intracranial bleeding/aneurysms
- G. Acute collaborative care
- H. Independent nursing care
  - 1. Patient education
- E. Discharge planning/Home care

## II. Increased Intracranial Pressure

2 hrs.

- D. Etiology
  - 4. Head Trauma
  - 5. Tumors
  - 6. Infection
- E. Acute collaborative care
  - 3. Medical intervention
  - 4. Surgical intervention
- F. Independent nursing care

## III. Neurological Disorders (MS, Parkinson's Disease)

2 hrs.

- G. Etiology
- H. Pathophysiologic process
  - 1. Effects of aging
- I. Clinical manifestations
- J. Acute collaborative care
- K. Independent nursing care
- L. Discharge planning/home care

## IV. Neuromuscular Disorders (Myasthenia Gravis, ALS)

2 hrs.

- G. Etiology
- H. Pathophysiologic processes
  - 1. Effects of aging
- I. Clinical manifestations
- J. Acute collaborative care
- K. Independent nursing care
- L. Discharge planning/Home care

## Unit IX Problems of the Musculoskeletal System

### Week 14

#### I. Rheumatoid and Osteo Arthritis

3 hrs.

- G. Etiology
- H. Pathophysiologic processes
  - 1. Effects of aging
- I. Clinical manifestations
- J. Acute collaborative care
  - 3. Medical interventions
  - 4. Surgical interventions
- K. Independent nursing care
- L. Discharge planning/Home care

## II. Other Musculoskeletal Disorders

### A. Osteomyelitis, Osteoporosis, fractures

#### Exam (Units VIII and IX)

1 hr.

#### Finals Week Final Exam

## IV. Evaluation Methods \*

50%	Unit Exams (multiple choice)
20%	Final exam (multiple choice)
10%	Written assignments
10%	Individual or collaborative case study analysis
10%	Assigned projects

#### Grading scale:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	Less than 60%

\*To progress in the Nursing Program, the student must achieve at least a 70% average grade on the exams AND at least a 70% average grade on all other assignments.

## V. Required Textbooks

Hudak, C.M., Gallo, B.M., & Morton, P.G. (1998). Critical care nursing: A holistic approach (7<sup>th</sup> ed.). Philadelphia: Lippincott.

## VI. Special Resource Requirements

None

## VII. Bibliography

Arino-Norris, N. (1997). Sexual concerns after an MI. American Journal of Nursing, 97(8), 48-49.

Arslanian-Engoran, C. (1997). Balancing calcium and phosphorous levels in chronic renal failure patients. Dimensions of Critical Care Nursing, 16(6), 282-291.

Barch, C., Spilker, J., Bratina, P., Rapp, K., Daley, S., Donnarumma, R., Sailor, S., Braimah, J., & Kongable, G. (1997). Nursing management of acute complications following rt-PA in acute ischemic stroke. Journal of Neuroscience Nursing, 29(6), 367-373.

- Belcaster, A. (1997). Helping your patients avoid refeeding syndrome. Nursing 97, 27(9), 32-38.
- Bell, T.E., Kongalbe, G.L., & Steinberg, G.K. (1998). Mild hypothermia: An alternative to deep hypothermia for achieving neuroprotection. Journal of Cardiovascular Nursing, 13(1), 34-45.
- Bernat, J.J. (1997). Smoothing the CABG patient's road to recovery. American Journal of Nursing, 97(2), 22-26.
- Blank-Reid, C.A., & Reid, P.C. (1999). Taking the tension out of traumatic pneumothorax. Nursing, 99(4), 41-46.
- Boutotte, J.M. (1999). Keeping TB in check. Nursing, 99(3), 34-40.
- Brandstetter, B., Sharma, K.C., Dellabadia, M., Cabrerros, L.J., & Kabinoff, G.S. (1997). Adult respiratory distress syndrome: A disorder in need of improved outcomes. Heart & Lung, 26(1), 3-14.
- Buckley, D.A., & Guana, M.M. (1999). Spinal cord trauma. Nursing Clinics of North America, 34(3), 661-688.
- Cirolia, B. (1996). Understanding edema: When fluid balance fails. Nursing 96, 26,2, 66,68-70.
- Cochran, A. & Wilson, B.A. (1999). Current management of AIDS and related opportunistic infections. MEDSURG Nursing, 8, 257-264, 266.
- Cook, L.S. (1997). Nonimmune transfusion reactions: When type and cross-match aren't enough. Journal of Intravenous Nursing, 20(1),15-22.
- Covinsky, K.E., Goldman, L., & Cook, E.F. (1994). The impact of serious illness on patients' families. Journal of the American Medical Association, 272, 1839-1844. (Classic)
- Coyne, P.J. (1997). Relieving AIDS-related pain. Nursing 97, 27(9), 25-26.
- Crigger, N. & Forbes, W. (1997). Assessing neurological function in older patients. American Journal of Nursing, 97(3), 37-40.
- Edgar, W.F. Ebersole, N., & Mayfield, M.G. (1999). MIDCAB. American Journal of Nursing, 99(7), 40-45.
- Giuliano, K.K. & Sims, T.W. (1999). Transplant issues: infections and immunosuppressant drugs. Dimensions of Critical Care Nursing, 18, 16-19.
- Halm, M., & Peque, S. (1999). Heart disease in women. American Journal of Nursing, 99(4), 26-31.
- Hambleton, N.E. (1994). Dealing with the complications of epidural analgesia. Nursing 94,24(10), 55-58. (classic)
- Haynor, P.M. (1998). Meeting the challenge of advance directives. American Journal of Nursing, 98(3), 26-32.
- Hock, N.H. (1998). Neuroprotective agents in acute ischemic stroke. Journal of Cardiovascular Nursing, 13(1), 17-28.

- Hock, N.H. (1999). Brain attack: The stroke continuum. Nursing Clinicas of North America, 34(3), 689-724.
- Juliano, K.K. (1997). Organ transplants: Tackling the tough, ethical questions. Nursing97, 27(5), 34-40.
- Kelly, M. (1997). Emergency!: Acute respiratory failure. American Journal of Nursing, 96(12), 46-47.
- Kerchhoff, K.T., Pugh, F., Calame, R.M., & Reynolds, N. (1993). Nurses' beliefs and attitudes toward visiting in adult critical care settings. American Journal of Critical Care, 2, 238-245. (Classic)
- Kirsten, V.L., & Whipple, B (1998). Treating HIV disease: Hope is on the horizon. Nursing, 98(11), 34-41.
- Klaus, B.D., & Grodesky, M.J. (1998). Drug interactions and protease inhibitor therapy in the treatment of HIV/AIDS. Nurse Practitioner, 23(2), 102-104, 106.
- Lewandowski, D.M. (1999). Clinical snapshot: Myocarditis. American Journal of Nursing, 99(8), 44-45.
- Long, J.M., Kee, C.C., Graham, M.B., Saethang, T.B., & Dames, F.D. (1998). Medication compliance and the older hemodialysis patient. ANNA, 25(1), 43-52.
- McCallum, E.M., Hanlon, S.J., & Byrne, K.H. (1999). Beyond aspirin: How glycoprotein inhibitors ease acute coronary syndromes. Nursing99, online. <http://www.springnet.com/ce/p912b.htm>
- McConnell, E.A. (1998). Myths and facts about end-stage renal disease. Nursing, 98(1), 17-20.
- McNair, N.D. (1999). Traumatic brain injury: Neuroscience nursing for a new millennium. Nursing Clinics of North America, 34(3), 637-660.
- Montes, P. (1997). Managing output following cardiac catheterization. American Journal of Nursing, 97(8), 34-37.
- O'Brien, L. (1998). Clinical snapshot: Angina pectoris. American Journal of Nursing, 98(1), 48-49.
- O'Hanlon-Nichols, T. (1999). Neurological assessment. American Journal of Nursing, 99(6), 44-50.
- Pasero, C.L., & McCaffery, M. (1997). Managing post-operative pain in the elderly. American Journal of Nursing, 97(10), 38-40.
- Perkins, L.A., & Shortall, S.P. (2000). Ventilation without intubation. RN, 63(1), 34-39.
- Piatek, Y.M., & Atzori, M. (1999). PTMR: Percutaneous transmyocardial revascularization. American Journal of Nursing, 99(7), 64-66.
- Reger, T.B., & Vargas, G. (1999). The return of the radial artery in CABG. American Journal of Nursing, 99(9), 26-30.
- Robinson, A.W. (1999). Getting to the heart of denial. American Journal of Nursing, 99,5, 38-42.
- Rockett, J. L. (1999). Endothelial dysfunction and the promise of ACE inhibitors. American Journal of Nursing, 99(10), 44-49.
- Rodriguez, D., & Lewis, S.L. (1997). Nutritional management of patients with acute renal failure. ANNA, 24(2), 232-236, 238-243.

Ross, A.P. (1999). Neurological degenerative disorders. Nursing Clinics of North America, 34(3), 725-742.

Saladay, S.A. (1998). HIV testing: Agreeing to disagree. Nursing, 98(1), 66,68.

Schweiger, J.L., & Huey, R.A. (1999). Alzheimer's disease: Your role in the caregiving equation. Nursing, 99(6), 34-40.

Shoup, A. (1997). Guidelines for the management of latex allergies and safe use of latex in perioperative practice settings. AORN, 66(4), 726, 729-31.

Tangred, M. (1998). Clinical snapshot: Septic shock. American Journal of Nursing, 98(3), 46-47.

Wilson, V.C. (1990). How can we dignify death in the ICU? American Journal of Nursing, 90,5, 39-42. (Classic).

Woodruff, D.W. (1999). How to ward off complications of mechanical ventilation. Nursing99 online. <http://www.springnet.com/content/nursing/9911/nurse98toc.htm>

Wright, C.K. (1998). A Brief update on stroke: A look at the causes, pathophysiology, research, and prevention of strokes. American Journal of Nursing, 98(5), 62-67.

#### Websites

AIDS [http://www.cdc.gov/nchstp/hiv\\_aids/dhap.htm](http://www.cdc.gov/nchstp/hiv_aids/dhap.htm)

American Heart Association. <http://www.americanheart.org/>

CABG surgery [http://nursing.about.com/health/nursing/library/weekly/aa061798.htm?PM=68\\_193\\_T](http://nursing.about.com/health/nursing/library/weekly/aa061798.htm?PM=68_193_T)

Centers for Disease Control. <http://www.cdc.gov/health/diseases.htm>

Heart Disease <http://heartdisease.about.com/health/heartdisease/mbody.htm>

Hepatitis Information Network [www.hepnet.com](http://www.hepnet.com)

Renal Failure <http://www.renalworld.com/>

**COURSE ANALYSIS QUESTIONNAIRE**  
**NURS 436 Adult Health II**

**Section A: Details of the Course**

- A1 This course will fit into the senior year of the Bachelor of Science degree in the Nursing program. It is a required course for students in the major.
- A2 This course is part of the curriculum revision in the Nursing program.
- A3 This course has never been offered at IUP.
- A4 This course is not intended to be offered as a dual-level course.
- A5 This course is not intended to be taken for variable credit.
- A6 This material on complex adult health problems would be included in other baccalaureate nursing programs.
- A7 The content in this course is necessary to practice nursing in an acute care setting (Commission on Collegiate Nursing Education, State Board of Nursing Professional and Vocational Standards.) The information taught in this course is consistent with the test plan for the licensing exam for nursing (NCLEX-RN.)

**Section B: Interdisciplinary Implications**

- B1 This course will be taught by one faculty member at a time within the Nursing Department.
- B2 This course does not overlap with any other courses at the University.
- B3 No seats in the course will be reserved for students in Continuing Education.

**Section C: Implementation**

- C1 No new faculty are needed to teach this course.
- C2 Other Resources
- a. Current space allocations are adequate to offer this course
  - b. Currently Stapleton Library subscribes to a number of nursing journals that would be helpful for students in this course. These journals include: American Journal of Nursing, RN, Nursing, Heart & Lung, Emergency Medicine, Critical Care Nursing Quarterly, and Nursing Clinics of North America. In addition, the Department of Nursing and Allied Health Professions receives subscriptions to other journals which might be useful to students in the course. These journals include: Research in Nursing and Health and Journal of Nursing Scholarship. The library also has a holding of references related to complex/critical care nursing. To update these holdings, the department has a mechanism in place for identifying and recommending future library purchases.
- C3 No grant funds are associated with this course
- C4 This course will be offered in both the Fall and Spring semesters.

- C5 One section of the course will be offered at a time.
- C6 Forty students will be accommodated in this course.
- C7 No professional society limits enrollment in a course of this nature.

**5. Liberal Studies course approval form and checklist (if appropriate)**

Non-applicable