

LSC Use Only
Number: _____
Submission Date: _____
Action-Date: _____

RECEIVED
AUG - 8 2000

UWUCC USE Only
Number: _____
Submission Date: _____
Action-Date: _____
00-320

CURRICULUM PROPOSAL COVER SHEET
University-Wide Undergraduate Curriculum Committee

I. CONTACT

Contact Person Marie Twal Phone 7-3259
Department Nursing and Allied Health Professions

II. PROPOSAL TYPE (Check All Appropriate Lines)

- COURSE Adult Health II
Suggested 10 transferable
- New Course* NURS 436 Adult Health II
Course Number and Full Title
- Course Revision _____
Course Number and Full Title
- Liberal Studies Approval - _____
for new or existing course
Course Number and Full Title
- Course Deletion _____
Course Number and Full Title
- Number and/or Title Change _____
Old Number and/or Full Old Title
New Number and/or Full New Title
- Course or Catalog Description Change _____
Course Number and Full Title
- PROGRAM: Major Minor Track
- New Program* _____
Program Name
- Program Revision* _____
Program Name
- Program Deletion* _____
Program Name
- Title Change _____
Old Program Name
New Program Name

III. Approvals (signatures and date)

Marie E Twal 2-25-00 Department Curriculum Committee
Paul Kuzma 2-25-00 Department Chair
Mon E Smith 7/14/00 College Curriculum Committee
Charles A. Zoni 15 July 00 College Dean
W. Smith 8/7/00 Provost (where applicable)

+Director of Liberal Studies (where applicable)

*Provost (where applicable)

RECEIVED
FEB - 10 2001

NURS 436 Adult Health II

4c-01-4sh

Prerequisites: NURS 336, 337

Prerequisite or corequisite: NURS 412

Corequisite: NURS 437

This course 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.

I. Course Description

NURS 436 Adult Health II

**4 lecture hours
0 lab hours
4 semester hours
(4c-01-4sh)**

Prerequisites: NURS 336, 337

Prerequisite or corequisite: NURS 412

Corequisite: NURS 437

This course 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
 - 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.**

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 (7th 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. Nursing97, 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. Nursing96, 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. Nursing97, 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. Nursing94,24(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

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

CABG surgery 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

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.