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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** Maternal/Child Health
Suggested 20 character title

☒ **New Course*** NURS 338 Maternal/Child Health
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 Twal 2-25-00
Department Curriculum Committee

Robert Kozman 2-25-00
Department Chair

Mary E. Smith 7/14/00
College Curriculum Committee

Carlton A. Zoni 15 July 00
College Dean

+ Director of Liberal Studies (where applicable)

*Provost (where applicable)

NURS 338 Maternal-Child Health**4c-0l-4sh****Prerequisites:** NURS 213, 214, 236; BIOL 241; PHYS 151/161; PSYC 310**Corequisite:** NURS 339

This course focuses on knowledge essential to provide nursing care for pregnant women and children within context of family. The first half of the course emphasizes the changes experienced by the woman and family during normal and complicated pregnancy as well as those of the developing fetus and neonate. The second half focuses on acute and chronic health problems of infants, children and adolescents.

I. Course Description

NURS 338 Maternal-Child Health

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

Prerequisites: NURS 213, 214, 236; BIOL 241; PHYS 151/161; PSYC 310

Corequisite: NURS 339

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II. Course Objectives

At the conclusion of this course the student will be able to:

1. Explain the normal physiologic and psychosocial processes as they apply to the perinatal woman, the fetus, the neonate, and the developing child
2. Apply principles of pathophysiology and associated psychosocial adjustments as they relate to the fetus, perinatal woman, and the developing child
3. Describe the elements of health care management for children with a chronic illness
4. Discuss appropriate pharmacologic interventions in treatment of perinatal women and children

III. Course Outline

Unit I Pregnancy, labor, delivery, postpartum, and neonatal health

Week 1	A. Introduction to family-centered care	2 hrs.
	1. Family theory	
	a. Family systems theory	
	b. Family stress theory	
	2. Family assessment	
	a. Composition	
	b. Strengths	
	c. Needs	
	3. The child-bearing family	
	B. Nursing care of the child-bearing family during pregnancy	2 hrs
	1. Psychological and physiological changes during pregnancy	
	2. Conception, fetal development	
	a. Intrauterine organ systems	
	b. Fetal circulation	
	c. Embryo and fetal development	
Weeks 2 -4	3. Promotion of fetal and maternal health	6 hrs
	a. Trends and goals	
	b. Health maintenance	
	c. Nutrition during pregnancy	

	d. Education for pregnancy and parenthood	
	4. Prenatal complications and risks a. Assessment of risk factors and environmental hazards b. Hypertensive disorders c. Maternal infections d. Maternal hemorrhagic disorders e. Endocrine and metabolic disorders f. Psychosocial problems 5. Cultural influences	
	C. Nursing care during labor and delivery	5 hrs.
	1. The normal labor process a. Stages of labor b. Pain management c. Fetal monitoring 2. Nursing interventions that meet psychosocial needs of the couple during labor 3. Types of delivery a. Vaginal b. Cesarean c. Vaginal delivery after a previous Cesarean delivery 4. Complications of pregnancy a. Current trends to reduce preterm labor b. Trauma in pregnancy c. Medical conditions	
	Exam	1 hr.
Weeks 5-6	D. Nursing care of the postpartum family	8 hrs.
	1. Nursing care of the postpartum woman a. Biophysical aspects b. Psychosocial aspects c. Nursing care 2. Postpartum complications a. Hemorrhage 3. The healthy neonate a. Fetal responses to labor and birth b. Immediate care of the newborn c. Assessment of the newborn d. Nutrition of the newborn 4. Neonatal complications a. Complications of low birth weight b. Respiratory complications c. Hemolytic disease d. Drug dependent newborn 5. Family adjustments a. Parenting needs in the neonatal intensive care unit (NICU) b. Home care c. Loss and grief d. Contraception	
Week 7	E. Sexually transmitted diseases	3 hrs.
	1. Symptoms / diagnosis	

- 2. Management
- 3. Education
- 4. Affect on fertility
- F. Contraceptive Issues

Mid-term Exam 1 hr.

Unit II Care of children with chronic illness and serious infectious disease.

Weeks 8 -10

- A. Caring for the family of a chronically ill child 2 hrs.
 - 1. Children's conceptions of health and illness
 - 2. Parental response to diagnosis
 - 3. Implications of illness on daily life
- B. Common Chronic Disorders: Etiology, genetic influences, clinical manifestations, diagnostics, treatment, and issues of care 10 hrs
 - 1. Respiratory – asthma / cystic fibrosis
 - 2. Endocrine - diabetes
 - 3. Hematologic - sickle cell anemia
 - 4. Oncologic - childhood cancers
 - 5. Neurologic - cerebral palsy / epilepsy
 - 6. Cognitive - Down syndrome

Weeks 11-14

- C. Common Congenital Anomalies: Etiology, genetic influences, clinical manifestations, diagnostics, treatment, and issues of care 10 hrs
 - 1. Respiratory – diaphragmatic hernia
 - 2. Cardiac – selected cyanotic, acyanotic, and obstructive malformations
 - 3. Neurological – spina bifida
 - 4. Gastrointestinal – Hirshsprung disease, Meckel diverticulum
- D. Serious Infectious Diseases 3 hrs.
 - 1. Respiratory - bronchiolitis, epiglottitis
 - 2. Cardiac - subacute bacterial endocarditis, rheumatic fever, Kawasaki disease
 - 3. Neurological – meningitis
 - 4. Sepsis

Exam 1 hr

- E. Caring for the chronically ill child at home 2 hrs.
 - 1. Needs of the family
 - 2. Social support available
 - 3. Ethical and legal issues

Finals Week: Final Exam

IV. Evaluation Methods*

- 40% 2 Unit exams (Multiple choice)
- 15% Mid-term exam (Multiple choice)
- 15% Final exam (Multiple choice)

- 10% Individual or collaborative analysis of a case study of a woman experiencing a complication of pregnancy
- 10% Individual or collaborative analysis of a case study of a family that includes a child with a chronic illness or congenital anomaly
- 10% Individual and collaborative multiple choice quizzes

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:

Lowdermilk, P., Perry, S., & Bobak, I. (1997). Maternity and women's health care. (6th ed). St. Louis: Mosby.

Piotrowski. (1997). Maternity and women's health care study guide. (6th ed.) St. Louis: Mosby.

Wong, D. (1999). Nursing care of infants and children. (6th ed). St. Louis: Mosby.

Wong, D. (1999). Study guide to accompany nursing care of infants and children. St. Louis: Mosby.

VI. Special Resource Requirements

None

VII. Bibliography

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Atterbury, J. L., Groome, L.J., Hoff, C., & Yarnell, J. A. (1998). Clinical presentation of women readmitted with postpartum severe preeclampsia or eclampsia. Journal of Obstetric, Gynecologic, and Neonatal Nursing, 27, 134-141.

Baroni, M.A., Anderson, Y.E., & Mischler, E. (1997). Cystic fibrosis newborn screening: Impact of early screening results on parenting stress. Pediatric Nursing 23(2), 143-151.

Bossert, E.A., Van Cleve, L., & Savedra, M.C. (1996). Children with cancer: The pain experience away from the health care setting. Journal of Pediatric Oncology Nursing, 13(3), 109-120.

Brodsy, P. L. (1998). A postpartum home follow-up project by student nurses using marker model standards. Journal of Nursing Education, 37, 373-375.

Cancer Pain Management Guideline Panel, U.S. Department of Health and Human Services. (1994). Quick reference guide for clinicians, management of cancer pain: Infants, children, and adolescents. Journal of Pharmaceutical Care in Pain and Symptom Control, 2(1), 75-103.

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Clark, R.A. (1995). Infections during the postpartum period. Journal of Obstetric, Gynecologic, and Neonatal Nursing, 24, 542-548.

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Enskar, K. (1995). Ethical aspects of judging the alternative treatment of children with cancer. Nursing Ethics, 2(1), 51-62.

Fochtman, D. (1995). Follow-up care for survivors of pediatric cancer. Nurse Practitioner Forum, 6(4), 194-200.

Gibson, C.H. (1995). The process of empowerment in mothers of chronically ill children. Journal of Advanced Nursing, 21(6), 1201-1210.

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Harding, R. (1996). Children with cancer: The needs of siblings. Professional Nurse, 11(9), 588-590.

Hartley, B. (1997). Juvenile arthritis: A nursing perspective. Journal Pediatric Nursing, 12(2), 100-109.

Higley, A. M., & Miller, M.A. (1996). The development of parenting: Nursing resources. Journal of Obstetric, Gynecologic, and Neonatal Nursing, 25, 707-712.

Hopkins-Hutti, M., dePacheco, M., & Smith, M. (1998). A study of miscarriage: Development and validation of the perinatal grief intensity scale. Journal of Obstetric, Gynecologic, and Neonatal Nursing, 27 547-555.

Hurst, N., Myatt, A., & Schanler, R. (1998). Growth and development of a hospital-based lactation program and mother's own milk bank. Journal of Obstetric, Gynecologic, and Neonatal Nursing, 27, 503-510.

Jackson, P.L. & Vessey, J.A. (1996). Primary care of the child with a chronic condition (2nd ed.). St. Louis: Mosby.

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- Tarr, J. & Pickler, R. (1999). Becoming a cancer patient: A study of families of children with acute lymphocytic leukemia. Journal of Pediatric Oncology Nursing, 16(1), 44.
- U.S. Department of Health and Human Services Public Health Service. (1998). Health people 2010: National health promotion and disease prevention objectives. Washington, D.C: Public Health Service.

Web Rounds (1999). Online: [Http://www.wwilkins.com/rounds](http://www.wwilkins.com/rounds). Lippincott Williams & Wilkins.

Williams, L.R. & Kowchley Cooper, M. (1996). A new paradigm for postpartum care. Journal of Obstetric, Gynecologic, and Neonatal Nursing, 25, 745-749.

Winklestein, M.L., Tarzian, A., & Wood, R.A. (1997). Motivation, social support, and knowledge of parents who smoke and who have children with asthma. Pediatric Nursing, 23, 576-581.

Woods, J.R. & Esposito-Woods, J.L. (Eds.). (1998). Loss during pregnancy or in the newborn period. Pittman, NJ: Jannetti Publications.

COURSE ANALYSIS QUESTIONNAIRE
NURS 338 Maternal-Child Health

Section A: Details of the Course

- A1 This course will fit into the junior 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 adult health nursing would be included in other baccalaureate nursing programs.
- A7 The content in this course is necessary to practice nursing in a maternal-child health 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 a team of faculty members 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 specialty nursing journals that would be helpful for students in this course. These journals include: Journal of Obstetrics, Gynecology, and Neonatal Nursing, Journal of Pediatric Nursing, Journal of Perinatal and Neonatal Nursing, Pediatric Nursing, Pediatric Clinics of North America. The library also has a holding of references related to maternal-child health nursing. Periodic updates of these holdings are necessary. The department currently has a mechanism in place for identifying needs for updated texts in priority order and recommending future 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.