

Descriptions – Natural Science (College of)
of
Courses

820. Methods in Scanning Electron Microscopy
Fall, Winter, Spring. 3(1-5) Approval of instructor; NSC 802 or concurrently.
 Use of the scanning electron microscope and preparative equipment. Preparative technique for biological and nonbiological materials. Interpretation of micrographs.

830. Analytical Electron Microscopy
Fall, Winter, Spring. 2(1-3) Approval of instructor; NSC 802 or concurrently.
 Use of X-ray analysis on electron microscopes and electron microprobes with biological and physical materials. Methods of preparation and analysis of product data.

NURSING N E
(COLLEGE OF)

(Effective July 1, 1980. Formerly School of Nursing.)

200. Nursing I
Spring. 4(4-0) Admission to School of Nursing.
 Concepts and theories of nursing, science and Man in relation to professional nursing practice. Role of nursing in contemporary society.

300. Nursing II
Fall, Summer. 10(7-9) N E 200.
 Independent nursing role. The well individual. Holistic approach to Man. Impact of developmental levels upon client health. Application of nursing process in maintaining wellness.

301. Nursing III
Fall, Winter. 10(6-12) N E 300.
 Independent nursing role. Application of nursing process in a variety of health care settings. Healthy clients adapting to stress at all stages in the life cycle.

302. Nursing IV
Winter, Spring. 10(5-15) N E 301, N E

441.
 Promotion of adaptation of individuals in diminished-stable health states and families in stable health states. Relates research findings to practice.

400. Nursing V
Fall, Spring. 10(5-15) N E 302, N E

407.
 Individuals in diminished-unstable health states and families in stable health states. Community assessment skills. Interdisciplinary approach to health care systems. Relates research findings to practice.

401. Nursing VI
Winter, Summer. 10(4-18) N E 400.

Individuals in compensated-decompensated health states, families in diminished-unstable health states, and communities in optimal health states. Functions interdependently within health care teams. Applies research findings to practice.

405. Nursing VII
Fall, Spring. 10(3-21) N E 401.

Integration of nursing, biological and behavioral sciences stressing application of the nursing process to the care of individuals, families and communities in depleted health states. Applies research findings to practice.

407. Introduction to Nursing Research
Winter, Spring. 2(2-0) N E 301 or concurrently, approval of college.

Critical reading and critique of nursing research literature; define research terminology and procedures and apply to clinical nursing through discussion and writing.

440. Clinical Problems in Adaptation I
Fall, Summer. 5(5-0) PSL 241 and approval of school.

Homeostasis; range of physiological alterations to stress. Man's adaptive-maladaptive responses.

441. Clinical Problems in Adaptation II
Fall, Winter. 5(5-0) N E 440 and approval of school.

Continuation of N E 440.

490. Special Problems in Nursing
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Approval of school.

Exploration of certain areas in nursing in greater depth and/or from a different perspective than possible within the limits of required courses.

490H. Honors Work
(400H.) Fall, Winter, Spring, Summer. 1 to 12 credits. Approval of school.

495. Selected Topics in Nursing
Fall, Winter, Spring. 2 to 6 credits. May reenroll for a maximum of 6 credits if different topic is taken. Approval of school.

Allows exploration of unique issues in nursing. Topics to be selected from current issues.

521. Evaluation of Health Services
Spring. 2 to 4 credits. Approval of instructor. Interdepartmental with and administered by the Department of Community Health Science.

Use of experimental and quasi-experimental designs. Cost benefit and efficiency models. Assessment of health services delivery.

540. Family Health Seminar
(561.) Fall. 3(3-0) Majors or approval of instructor.

Conceptual frameworks of family. Assessment of family health behavior.

541. Facilitating Patient Participation
(552.) Winter. 2(2-0) N E 564 or approval of instructor.

Learning theories and methods to promote patient self care.

543. Health and Adaptation of the Elderly
Fall. 3(3-0) Baccalaureate degree in health science; approval of instructor. Interdepartmental with the Department of Community Health Science.

Health and adaptation of the aged individual experiencing the normative biophysiological and psychodevelopmental changes related to the aging process.

564. Primary Care Seminar I: Role of Family Nurse Clinician
(560.) Fall. 2(2-0) Approval of instructor.

Role of the Family Nurse Clinician in primary care.

565. Primary Care Seminar II: Interdisciplinary Team Functioning
(550.) Winter. 2(2-0) Approval of instructor.

Theories of team functioning. Communication, consultation, collaboration, conflict and decision making. Role strategies.

566. Primary Care Seminar III: Organizational Structure
(562.) Spring. 3(3-0) N E 564, N E 565 or approval of instructor.

Organization of primary care. Administration of the nursing service.

567. Primary Care Seminar IV: Health Care Policy
(563.) Summer. 3(3-0) N E 566 or approval of instructor.

Policy influence on health care delivery systems.

570. Nursing Theories and Conceptual Models
Fall. 3(3-0) STT 421 or approval of instructor.

Issues, problems and processes of theory and concept development.

580. Nursing Clinician Practicum I
Winter. 5(3-6) N E 564, N E 540, approval of school.

Beginning skill development in physical assessment, interviewing, history taking and health assessment of adult and child. Limited clinical experience with selected patients.

581. Nursing Clinician Practicum II
Spring. 5(2-9) N E 580, approval of school.

Nursing management of clients in primary care. Health maintenance and health promotion. Single acute problems. Continuity of care. Longitudinal study of a family.

582. Nursing Clinician Practicum III
Summer. 5(2-9) N E 581, approval of school.

Management skills for clients in diminished-unstable and compensated-decompensated health states in primary care. Longitudinal study of a family.

583. Nursing Clinician Practicum IV
Fall. 5(2-9) N E 582, approval of school.

Management skills for clients in depleted-decompensated and depleted-compensated health states in primary care. Longitudinal study of a family.

590. Special Problems
Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Approval of instructor.

Individual or group in-depth study of specific areas in nursing. Independent study.

595. Selected Topics
Fall, Winter, Spring. 2 to 6 credits. May reenroll for a maximum of 6 credits if different topics are selected. Approval of instructor.

Selected issues, trends, programs or theories in nursing.

899. Master's Thesis Research
(599.) Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 15 credits. N E 570, approval of instructor.

Clinical problem related to primary health care.