

860. Problem Solving Techniques in Physical Science

Summer. 3 credits. P: NSC 861, NSC 862, NSC 863. R: Secondary certification in chemistry or physics or earth science or physical science, 3 years teaching experience. Approval of college. Measurement and analysis of chemical, physical, and geological phenomena.

861. Chemistry for Teachers

Summer. 2 credits. P: Secondary certification in chemistry or physics or earth science or physical science, 3 years teaching experience. R: Approval of college.

Intensive lecture and laboratory study of basic chemistry from a modern viewpoint.

862. Physics for Teachers

Summer. 2 credits. P: Secondary certification in chemistry or physics or earth science or physical science, 3 years teaching experience. R: Approval of college.

Intensive lecture and laboratory study of basic physics from a modern viewpoint.

863. Earth Science for Teachers

Summer. 2 credits. P: Secondary certification in chemistry or physics or earth science or physical science, 3 years teaching experience. R: Approval of college.

Intensive lecture and laboratory study of basic earth sciences from a modern viewpoint.

864. Interdisciplinary Seminar in Physical Science

Summer. 2 credits. P: NSC 860. R: Approval of college.

Interrelationships of the physical sciences. The role of society in regulation of science to technology transfer.

870. Teaching College Science

Spring. 2 credits. R: One year of graduate study in a biological or physical science. Approval of college.

Philosophies of education. Ethnic, gender, and cultural issues. Designing a laboratory course. Problems of class size. Instructional technologies. Assessment and evaluation.

889. Research for Inservice Teachers

Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to inservice K-12 teachers with baccalaureate degrees.

Research in faculty laboratories. Oral and written presentations.

899. Master's Thesis Research

Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 10 credits in all enrollments for this course. R: Open only to master's students in the College of Natural Science. Approval of college.

901. Frontiers in Biological Science

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Secondary certification in chemistry or physics or earth science or physical science or biology, 3 years teaching experience. Approval of college.

Weekend workshops with research faculty exploring background and latest findings in their area of research.

902. Frontiers in Physical Science

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 40 credits in all enrollments for this course. R: Open only to students with secondary teacher certification in chemistry or physics or earth science or physical science or biology and 3 years of teaching experience. Approval of college.

Weekend workshops with research faculty exploring background and latest findings in their area of research.

NEUROSCIENCE

College of Natural Science

806. Advanced Neuroscience Techniques Laboratory

Summer. 3(0-9) Interdepartmental with Psychology. P: (NEU 804 or concurrently) (PHM 827 and ANT 839 and PSY 811) R: Open only to doctoral students in the Neuroscience major.

Methods of neuroscience research and the underlying principles on which these methods are based.

999. Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course.

NURSING

College of Nursing

202. Introduction to Nursing Practice I

Fall. 3(2-3) R: Open only to students in the College of Nursing except students in PreNursing and Registered Nurses.

Theoretical concepts of nursing necessary for professional practice. Assessment, interpersonal communication, documentation and decision-making.

204. Introduction to Nursing Practice II

Spring. 4(2-6) P: (NUR 202)

Application of introductory nursing practice concepts in simulated and clinical practice settings. Development of introductory nursing practice psychomotor skills.

303. Concepts of Nursing Care of the Adult

Fall, Spring. 4(4-0) P: (NUR 204 and NUR 341) C: NUR 304 concurrently.

Family centered nursing care for adults at various levels of health and illness. Prototype health states with emphasis on associated nursing diagnosis and professional standards of care.

304. Practicum in Nursing Care of the Adult

Fall, Spring. 4(0-12) P: (NUR 204 and NUR 341) C: NUR 303 concurrently.

Nursing care of the adult client with an emphasis on health promotion, disease prevention, care in acute and chronic illness, and rehabilitation.

305. Concepts of Nursing Care of the Childbearing Family

Fall, Spring. 2(2-0) P: (NUR 204 and NUR 341) C: NUR 306 concurrently.

Concepts of holistic nursing care with culturally diverse childbearing families during the prenatal, intrapartum, and postpartum periods. Concepts of health promotion and risk factors in client care situations.

306. Practicum in Nursing Care of the Childbearing Family

Fall, Spring. 3(0-9) P: (NUR 204 and NUR 341) C: NUR 305 concurrently.

Practicum in nursing care with culturally diverse childbearing families during the prenatal, intrapartum and postpartum periods. Implementation of nursing process in various settings. Levels of risk reduction and health promotion.

307. Concepts of Nursing Care of Children and Their Families

Fall, Spring. 2(2-0) P: (NUR 204 and NUR 341) C: NUR 308 concurrently.

Theory and concepts related to the holistic care of children (infancy through adolescence) and their families.

308. Practicum in Nursing Care of Children and Their Families

Fall, Spring. 3(0-9) P: (NUR 204 and NUR 341) C: NUR 307 concurrently.

Clinical application of the theoretical concepts presented in NUR 307. Variety of health settings will be utilized for clinical practice.

314. Transition to Professional Nursing

Fall, Spring. 4(3-3) R: Open only to Registered Nurses in the College of Nursing.

Concepts and practicum for role transition for Registered Nurse seeking degree completion. Assessment, documentation, interpersonal skills and concepts of aging with emphasis on clinical decision making and socialization to professional role.

319. Introduction to Nursing Theory and Research

Spring. 3(3-0) P: (STT 300 or STT 201) and completion of Tier I writing requirement. R: Open only to students in the College of Nursing except students in PreNursing.

Major nursing theories and their application to practice. The research process, terminology and investigations undertaken in nursing.

341. Clinical Problems in Adaptation

Spring. 3(3-0) R: Open only to students in the College of Nursing except students in PreNursing.

Theoretical concepts related to individual's adaptive-maladaptive responses to stress. Emphasis on pathophysiology.

409. Concepts of Psychiatric, Mental, and Community Health Nursing

Fall, Spring. 4(4-0) P: Completion of Tier I writing requirement. R: Open only to students in the College of Nursing except students in PreNursing.

Health care trends and issues in public and mental health. Role, responsibilities, and activities of nurses in the provision of care in public and mental health.