NUR

Nursing

NUR 630: Philosophical Foundations of Nursing Science
This course explores historical and current views of knowledge development underpinning philosophies of science, social science, and nursing science. Underlying ontological and epistemological assumptions of philosophical views and how they influence scientific inquiry in nursing will be addressed. A key component of these discussions will be the implications of diverse perspectives on theoretical thinking, scientific inquiry, and knowledge development in nursing.
3 credits, Letter graded (A, A-, B+, etc.)

NUR 631: Concepts, Theories and Knowledge Development in Nursing Science
This course will provide doctoral students with a systematic overview of concepts and theories as a foundation for knowledge development in nursing. Conceptual and analytical skills are developed through analysis and critique of nursing concepts, clinical phenomena and science-based theories. The course examines the theoretical and empirical foundation of nursing, approaches to the analysis and development of nursing concepts, the role of concepts in nursing science, and the applicability of nursing concepts and theories to clinical practice. Focus will be on development and use of conceptual language, critical thinking skills, and in analyzing literature portraying key nursing concepts.
3 credits, Letter graded (A, A-, B+, etc.)

NUR 635: Biostatistics
This course will provide the student with knowledge of statistical approaches utilized in epidemiological studies. Analysis of risk factors and disease data will be emphasized. Applying epidemiologic methods to critically evaluate the evidence used in clinical decision making will be an important aspect of this course.
3 credits, Letter graded (A, A-, B+, etc.)

NUR 636: Advanced Statistical Methods
This course will build on the foundations of NUR 635 and extend the doctoral student's exposure to more complex inferential statistics used in healthcare research. Statistical applications will be explored in the context of nursing research. Practical application of these statistical methods will be conducted using SPSS statistical software.
3 credits, Letter graded (A, A-, B+, etc.)

NUR 647: Doctoral Research Seminar
This course will provide the student with the academic skills necessary to build the scientific foundation for the advanced practice of nursing. Theory and evidence-driven projects will be developed in collaboration with interdisciplinary mentors. Peer review skills will be refined.
4 credits, Letter graded (A, A-, B+, etc.)

NUR 660: Quantitative Designs and Methods in Nursing Research
This course explores the major designs and methods used for the investigation of problems requiring quantitative approaches. Types of research designs are analyzed including major strengths and limitations of each. Population sampling, participant selection, and data collection and analysis methods are compared and contrasted.
3 credits, Letter graded (A, A-, B+, etc.)

NUR 661: Qualitative Methods in Nursing Research
This course explores the major approaches to qualitative inquiry. Philosophical or theoretical underpinnings specific to each approach are analyzed. Selected frameworks for data collection and analysis are presented. Selection of participants, data collection and analyses of each tradition are compared and contrasted. The elements of rigor in qualitative inquiry are explored.
3 credits, Letter graded (A, A-, B+, etc.)

NUR 662: Dissertation Seminar I
This course focuses on the development of the doctoral dissertation proposal. Students will apply their theoretical knowledge and research proficiency to transform their general ideas about their dissertation topic into a research strategy. Students will prepare key elements of the dissertation proposal, including Statement of the Problem, Research Questions and/or Hypotheses Conceptual/Theoretical Framework, Literature Review, and Research Methods. Using a seminar format, teaching-learning strategies are designed to promote critical/analytical thinking and scholarly discourse.
6 credits, Letter graded (A, A-, B+, etc.)

NUR 691: Dissertation Seminar II
This course focuses on the conduct of the doctoral dissertation under the guidance of the student's dissertation committee. Students will secure applicable human subjects protection, carry out their research methodologies, and complete analyses of data. The course culminates in a scholarly paper (Dissertation) that exemplifies the student's expertise and their new and creative contribution to nursing. Using a seminar format, teaching-learning strategies are designed to promote critical/analytical thinking and scholarly discourse. Students are required to provide regular updates of the study's progress to the dissertation committee chairperson.
6 credits, Letter graded (A, A-, B+, etc.)

NUR 697: Research Practicum
The course introduces graduate students to significant and methodologically rigorous research. School of Nursing faculty and affiliated faculty from Stony Brook Medicine and Stony Brook University will serve as preceptors as students engage in a supervised, hands-on practicum with ongoing research. Students will develop contracts that identify individualized learning outcomes of the practicum that will be facilitated by direct advisement and mentorship of School of Nursing and affiliated faculty. Opportunities during the practicum will include subject recruitment and screening, data collection and analyses, interpretation of results, research report writing and preparation of products for scholarly dissemination. While the research practicum may not necessarily expose students to the specific population or problem of greatest interest to them, the skills or competencies mastered can prepare students methodologically to carry out their dissertation research strategy.
3 credits, S/U grading

NUR 698: Teaching Practicum
The course introduces graduate students to the major pedagogical theories and practices in academia. Students will develop contracts that identify individualized learning outcomes of the practicum that will be facilitated by direct advisement and mentorship of School of Nursing faculty. The practicum will include the student teaching part of a course, developing learning modules and student assignments, evaluating student performance, and evaluating their own teaching performance.
3 credits, S/U grading

NUR 699: PhD Dissertation Research - On Campus

NUR 700: PhD Dissertation Research - Off Campus
May be repeated for credit.

NUR 701: PhD Dissertation Research - Off Campus (International)
May be repeated for credit.