COURSE DESCRIPTIONS

The following courses are offered in the Professional Nursing program at Jersey College. Not all courses are offered in all tracks.

200 Level Courses

**BIO201 Microbiology: Impact of Microorganisms on the Environment.** This course focuses on the study of microorganisms and explores how microorganisms impact daily lives, including their influences on agriculture, ecology, industrial processes, immunology, and other fields. Fundamental topics that are reviewed in this course include the development, evolution and classification of microorganisms and how microorganisms maintain and affect living organisms in the global environment. Specifically, the course will explore microorganisms contributions and influences on climate changes, the global food chain and populations. (4.5 quarter credits) (45 clock hours)

**ENG201 Composition I.** This course develops students’ grammar, punctuation, critical thinking, organizational and research skills associated with writing. Students will complete a variety of written assignments. To promote the writing process, students will participate in writers’ workshops, wherein they will brainstorm, gather and synthesize facts, discuss audience considerations, draft, revise, edit, proofread, and critique their own and others’ work in written and oral formats. In this course students will also sharpen their ability to conduct research, and compose and communicate in written, oral, and visual modalities. (4.5 quarter credits) (45 clock hours)

**MAT201 Math for Problem Solving and Research.** This general education course focuses on arithmetical accuracy and problem solving. Mathematical concepts including ratios, proportions, and basic algebraic equations will be presented. Basic dosage calculations and IV rates will also be explored. In addition, an overview of statistics will be provided in this course to assist with review of research relative to evidence-based practice. (4.5 quarter credits) (45 clock hours)

**MAT202 College Algebra.** This course provides an overview of the fundamental concepts of algebra. The course explores the concepts of real numbers, polynomials, algebraic functions, linear equations and inequalities in one and two
variables, integer exponents, factoring, quadratic equations and simple rational expressions. (4.5 quarter credits) (45 clock hours)

**NUR200A Foundations of Nursing I.** This course is the first of four introductory courses commencing the journey into the discipline of nursing. In this part, students will be introduced to the history and profession of nursing, including the legal and ethical bases for practice, the role of the professional nurse, and diversity and cultural issues in nursing. In addition, this course will explore the nursing framework and philosophy of the college, including Roy’s Adaptation Model (RAM) and Evidenced Based Practice, and community-based patient care. (2.0 quarter credits) (20 clock hours)

**NUR200B Foundations of Nursing II.** This course continues to introduce the student to the nursing profession and focuses on the nursing process, communication and documentation. The course stresses the application of critical thinking utilizing RAM and Evidenced Based Practice for the provision of client care. The key nursing concepts of assessment, diagnosis, outcome identification and planning, implementation and evaluation are explored in the course. (2.0 quarter credits) (20 clock hours) (Prerequisite NUR200A)

**NUR200C Foundations of Nursing III.** This course builds on the prior foundational courses emphasizing fundamental nursing skills. Students learn beginning skills in communication, assessment and psychomotor techniques through active involvement in classroom discussions and in our simulation labs. Content and skills examined and practiced in the lab include vital signs, health assessments, safety and emergency preparation and asepsis and infection control. The course also explores alternative and complementary therapies and medication administration utilized in providing care wellness and end-of-life care. (5.5 quarter credits – 3.0 quarter credits theory and 2.5 quarter credits clinical lab) (30 clock hours theory and 75 clock hours lab) (Prerequisite NUR200A and NUR200B)

**NUR200D Foundations of Nursing IV.** This course is the final introductory course to the discipline of nursing. The course continues students' development of foundational skills, attitudes, and beliefs needed for professional practice through a focus on patient education, cultural and spiritual sensitivity, and growth and development related to wellness and disease concepts. In addition, through the practicum in this course, students will apply the concepts, skills and techniques learned through all of the foundational courses to deliver total patient to the adult client. (5.5 quarter credits – 3.0 quarter credits theory and 2.5 quarter credits clinical lab)
practicum) (30 clock hours theory and 75 clock hours practicum) (Prerequisite
NUR200A, NUR200B and NUR200C)

NUR201 Medical-Surgical Nursing I: Perspectives and Assessment of Care. This Professional Nursing course further develops the nursing fundamental skills and knowledge acquired by a student in their practical nursing education. The emphasis of the course is disease processes and nursing care by the RN in the sub-acute, long-term care and community settings. The course will include a discussion of the transition from healthcare facility to the home environment for the medical-surgical patient and the discharge planning and community resources available for these patients. Principles of nutrition, patient care, application of the nursing process, and problem-solving are integrated through theory and practicum. The course also reviews the following topics as they relate to the medical-surgical patient and the RN role at sub-acute and long-term care facilities and in community settings: drug administration/pharmacology, nursing care plans with evidence-based interventions, patient and family teaching, cultural and religious diversity, leadership and delegation, and legal/ethical issues. Students in the course will use Roy’s Adaptation Model (RAM) to systematically and holistically assess patient status. (9.0 quarter credits) (90 clock hours)

Clinical experiences in this course are provided in sub-acute, long-term care and community-based settings. To reinforce active and independent learning, and nursing skills this course incorporates interactive computer-based programs and simulation exercises throughout the clinical experience. (3.0 quarter credits) (90 clock hours)

NUR202 Geriatric Nursing: Management Concepts for Elder Care. This Professional Nursing course builds on concepts in geriatric nursing studied during practical nursing education. The course focuses on the major theories and practice component for the care of geriatric patients utilizing the Roy Adaptation Model (RAM) as a basis for holistic assessment of the elderly to identify nursing interventions to promote adaptation. The emphasis is on learning of key concepts and theories of aging and the development of interventions for health promotion of the geriatric patient population. Management functions of the registered nurse are addressed in this course. This comprehensive course also focuses on major issues such as pain management, end of life issues, legal and ethical issues in geriatric nursing, issues with pharmacology and medications, public policy, standards of care, health teaching, and family dynamics. (3.0 quarter credits) (30 clock hours)
The practicum portions of this course include hands-on instruction at long-term care and rehabilitative facilities. (3.0 quarter credits) (90 clock hours)

**NUR203 Psychiatric Nursing: Assessment and Management of Mental Health.** This Professional Nursing course expands concepts in psychiatric nursing studied by students in their practical nursing programs. The course provides the student with the knowledge base to apply selected theories and concepts to the management of mental disorders. Continuing themes of growth and development across the life span, therapeutic communications, socio-, cultural dimensions, pharmacology, teaching, client advocacy, and ethical standards are explored throughout the course. The course focuses on nursing implications, evidence-based research and Roy’s Adaptation Model (RAM) to holistically evaluate and treat psychiatric clients. Core nursing concepts incorporated into the course include: communication skills, participation in different treatment interventions (i.e. group therapy, and art therapy), collaborative participation with mental health professionals, and development of specific treatment plans. To enhance student learning, the course incorporates process recordings and case studies. The course also addresses other related mental health nursing topics, including, substance abuse, domestic violence, and community resources for psychiatric care. (4.5 quarter credits) (45 clock hours)

The practicum portions of this course include experiences at psychiatric medical facilities, acute care settings, long term care facilities and community health care experiences. (1.5 quarter credits) (45 clock hours)

**NUR204 Maternal-Newborn Nursing: A Family and Community-Based Approach.** This Professional Nursing course builds on the basic maternal-newborn nursing knowledge provided during practical nursing education. The course covers the provision of maternal-newborn care with a focus on high-risk patients. Utilizing Roy’s Adaptation Model students will learn about the emotional psychological changes women and their families experience during pregnancy, birth and postpartum. They will study the impact of the childbearing cycle on functional health patterns and related evidenced-based nursing care. Postpartum depression assessment will be discussed. Refinement of critical thinking skills, clinical decision-making, communication, teaching/learning and a focus on growth and development are emphasized. Concepts relevant to medication administration/pharmacology, diet and nutrition, cultural and religious diversity, documentation, self-care, family and community health, and legal/ethical issues are also incorporated into the course. (4.5 quarter credits) (45 clock hours)
Clinical experiences in this course occur in the acute and ambulatory care settings, as well as simulations in Jersey College’s learning laboratory. The simulation activities in the course provide an opportunity for both active and independent learning through the use of interactive computer-based programs and simulation mannequins. (1.5 quarter credits) (45 clock hours)

**NUR205 Pediatric Nursing: Caring for Children and Their Families.** Building on knowledge and skills from practical nursing education, this Professional Nursing course covers concepts in pediatric nursing. Specifically, the course addresses the RN nursing management of children with dysfunctional health patterns and reviews the environmental factors such as physical, psychological, social, spiritual and cultural elements that impact the hospitalized pediatric patient. Roy’s Adaptation Model (RAM), nursing process and best-evidence are the frameworks for care in the course and will be utilized to determine the unique needs of each pediatric client and their family. As part of the course, students will complete detailed assessments of growth and development of pediatric clients, including examining genetic and environmental influences on their health. The didactic content and clinical experiences in this course will also integrate relevant concepts of caring, pain management, communication, cultural awareness, documentation, self-care, and teaching/learning for pediatric clients. Moreover, concepts relevant to medication administration/pharmacology, diet and nutrition, and legal/ethical issues related to pediatric clients and their families and communities are discussed. (4.5 quarter credits) (45 clock hours)

Clinical experiences in this course occur at early childhood care facilities, acute and ambulatory care settings and simulations in Jersey College’s learning laboratory. The simulation activities in the course provide an opportunity for both active and independent learning through the use of interactive computer-based programs and simulation mannequins. (1.5 quarter credits) (45 clock hours)

**NUR206 Medical-Surgical Nursing II: Perspectives and Assessment of Care.** This capstone course examines intensive and critical disease processes affecting clients across the life span. The concepts of the nursing process, pathophysiology, health assessment, nursing interventions, pharmacology, pain management and nutrition will continue to be incorporated. In addition, the course will discuss organ and tissue donation and recovery and the clinical aspects of these processes. Students are expected within the framework of the nursing process and decision making to use best-evidence and Roy’s Adaptation Model, and apply, analyze, synthesize and evaluate current and previously learned information to provide care for patients with complex health care needs. This course also focuses on
leadership concepts, including leadership styles, delegation, and conflict management. (9.0 quarter credits) (90 clock hours)

Clinical experiences in the acute care setting will complement the theoretical content of this course. In addition, students will demonstrate their leadership/management abilities and skills in the long-term care setting. (4.5 quarter credits) (135 clock hours)

**NUR207 Senior Seminar.** This Professional Nursing course focuses on transition into RN practice. Discussion topics include surviving the first year as a new RN, maintaining competence, moral dilemmas, medication error prevention, career advancement, writing a resume and the nurse’s role in research. The course also includes a review of nursing licensure requirements and the NCLEX-RN examination. In addition students will evaluate themselves using RAM and develop a care plan and time management program to prepare for NCLEX. Emphasis in this course is on written and computerized testing, clinical reasoning and proficiency in nursing care skills. (4.5 quarter credits) (45 clock hours).

**NUR208 Nursing Capstone.** This course involves the culmination of nursing knowledge and experiences. In this course, students will be required to demonstrate integration of the learning from multiple disciplines and the nursing knowledge and skills necessary for licensure and entry level practice. Discussion topics include surviving the first year as a new RN, maintaining competence, moral dilemmas, preventing medication errors, career advancement, writing a resume, the nurse’s role in research and nursing licensure requirements. Demonstration of licensure and entry level practice readiness will be accomplished through completion of interactive nursing exercises and mock exams. To assist students in reaching the objectives, the course incorporates lecture and laboratory exercises utilizing third-party preparation tools (such as NCSBN learning extension), a directed self-study program and a live-review of nursing content based on the current-NCLEX test plan. (6.0 quarter credits – 2.0 quarter credits theory and 4.0 quarter credits interactive lab) (20 clock hours theory and 120 clock hours interactive lab).

**NUS201 LPN to RN Transition.** This nursing support course is designed to assist the student to transition from LPN to RN education. Roy’s Adaptation Model (RAM) is presented as the framework for holistic nursing care. Students will determine the differences between the LPN and the RN roles in healthcare to assist with successful transition to the new role. The differences explored will include leadership and delegation roles and skills of the LPN and RN. The course
also explores the socialization to the role of the professional nurse, legal and ethical issues, professional behavior, communication, interpersonal relationships, advocacy, lifelong learning in nursing and evidence-based practice and critical thinking frameworks/tools. Study and test taking strategies are included in the course. Upon earning a grade of 75% or higher in this course 20 quarter credits will be awarded for prior learning as an LPN. (3 quarter credits) (30 clock hours)

**NUS202 Nursing Assessment and Skills.** This nursing support course focuses on nursing assessment and nursing skills. Specifically, students in the course will perform health histories and physical assessments to evaluate the four adaptive modes in Roy’s Adaptation Model (RAM). Students will also be required to provide evidence of proficiency in nursing skills utilizing appropriate medical and surgical asepsis. In addition, students will be evaluated on patient communication and development of interpersonal relationships, health teaching and counseling, accurate drug calculations and medication administration. Basic concepts of pain management, safety and security and infection control including HIV/AIDS prevention will also be presented in this course. Students will be evaluated on nursing skills and physical assessments via classroom exams and laboratory skills testing. (4.5 quarter credits – 3.0 quarter credits theory and 1.5 quarter credits clinical lab) (30 clock hours theory and 45 clock hours lab) (Prerequisite NUS2002)

**NUS203 Nutrition.** This nursing support course is designed to provide students with information relative to the nutritional needs throughout the lifespan and diet therapy for various disease states. The course reviews how the energy producing nutrients (vitamins, minerals and water) are metabolized and utilized by the body and focuses on the expanded role of nutrition in health promotion, disease prevention and as part of the therapeutic regime in the treatment of disease processes. Major concepts in this course include guidelines for nutrition, the food pyramid, nutrition throughout the lifespan, and diet therapy. Appropriate assessments relative to nutrition will be determined utilizing Roy’s Adaptation Model. Students in this course will also be presented with case studies and teaching plans focusing on the scientifically based nutritional needs of various client scenarios including pregnancy, obesity, diabetes, gout, celiac disease, cardiovascular and kidney disease. (4.5 quarter credits) (45 clock hours)

**NUS204 Pathophysiology.** This nursing support course provides an overview of the structural and physiologic changes in disease providing an evidence base to support nursing care for patients with health deviations. This course expands the knowledge acquired from previous coursework in basic human anatomy and
physiology. In addition, this course explores the environmental, genetic, cellular, and organ changes and the effects on patients viewed systematically from Roy’s Adaptation Model. The course also includes case studies to enhance learning regarding pathological processes as relative to nursing implications throughout the lifespan. (4.5 quarter credits) (45 clock hours)

**NUS205A Human Anatomy and Physiology I.** This nursing support course provides a basic introduction into human anatomy and physiology for students in the health studies fields. Topics covered in the course include, medical terminology, membranes, skin and glands, cells and tissues, digestion and nutrition, body fluids, electrolytes and fluid balance, and the skeletal and muscular systems. In addition, the course addresses the effect of disease and pathogens on the human body and associated immunities. Each topic includes an emphasis on homeostasis. (3.0 quarter credits) (30 clock hours)

**NUS205B Human Anatomy and Physiology II.** This nursing support course is a continuation of NUS205A and involves a second term of basic human anatomy and physiology. The systems and areas covered in this course include the cardiovascular system, the lymphatic system, the respiratory system, the urinary system, the central and peripheral nervous systems, autonomic nervous system, the endocrine system and the reproductive systems. Each topic includes an emphasis on homeostasis. (3.5 quarter credits) (35 clock hours) (Prerequisite NUS20BA)

**NUS206 Principles of Pharmacology.** This nursing support course introduces the concepts of pharmacology within the context of nursing care. The course will cover pharmacological agent used in the treatment of illness and the promotion, maintenance and restoration of wellness. Special consideration in the course will be given to drug administration, monitoring of physiological, psychological, and sociological effects of agents, and interactions and adverse effects of each drug classification. (4.5 quarter credits) (45 clock hours)

**PSY201 Life Span Development.** This course studies cognitive, physical, social and emotional development of individuals and families throughout the lifespan. The course explores the seven major periods of life-span development (infancy, early childhood, middle childhood, adolescence, early adulthood, middle adulthood, and late adulthood) and the cultural, social and religious influences in each phase of development. The course also provides an overview of the significant biosocial, cognitive, and psychological events for each major period of development, as well as, how they impact human development. Students will be introduced to a variety of developmental theories, including Freud, Erickson,
SOC201 Sociology. This course introduces the study of culture in today’s society. Specifically, the course reviews basic sociological concepts, social processes and structural and functional aspects of social groups, including religious, cultural and societal values and beliefs. The course also explores the social and cultural meanings of death, funeral customs, mortality and morbidity statistics, contemporary issues and modern treatment of dying persons (including hospice), and processes of grief and bereavement. (4.5 quarter credits) (45 clock hours)