

# Course Offerings



# JERSEY COLLEGE

## **Course Numbering**

Courses offered at Jersey College are identified by an alphabetical prefix (up to three letters) showing the area of education (e.g., humanity, mathematics, natural science and social science courses), followed by a three digit numerical suffix (and for certain courses broken into multiple terms, an alphabetic course section) for the individual course.

The following provides an index for the alphabetical prefix for courses:

BIO = Biological Science

COM = Computers

ECO = Economics

ENG = English

HSC = Health Science

HUN = Human Nutrition

MAT = Mathematics

NUR = Nursing

NUS = Nursing Support and Health Science

PHH = Philosophy

PSY = Psychology

SOC = Sociology

The course suffix numbers range from 100 to 299. The numbers differentiate courses that are appropriate for particular populations of students. Non-degree coursework is associated with course numbers between 100 - 199 and undergraduate degree coursework encompasses 200 - 499. General education courses includes all courses other than courses with the suffix NUR or NUS.

### **Clock Hours**

A clock hour as defined by the federal government means a 60-minute period consisting of 50 to 60 minutes of instruction, recitation, laboratory or other academic related work. A clock hour as defined by the Commission for Independent Education means a period of 60 minutes with a minimum of 50 minutes of instruction in the presence of an instructor. Jersey College has allotted the following—for multiple-hour didactic classes each full 60-minute clock hour will be comprised of a 50-minute class hour in the presence of an instructor and a 10-minute break. Didactic classes scheduled with partial clock hours do not include a break. Clinical and laboratory classes run consecutively, breaks are scheduled after a minimum of two and half hours of class.

### **Credit Hour Definition**

#### **Quarter Credit Hour**

One quarter credit hour consists of (at a minimum):

- 10 clock hours of classroom instruction and 20 clock hours of outside assignments
- 20 clock hours of lab and ten clock hours of outside assignments
- 30 clock hours of practicum experiences (clinical or nursing labs)<sup>1</sup>

#### **Semester Credit Hour**

One semester credit hour consists of (at a minimum):

- 15 clock hours of classroom instruction and 30 clock hours of outside assignments
- 30 clock hours of lab and 15 clock hours of outside assignments
- 45 clock hours of practicum experiences (clinical or nursing labs)<sup>2</sup>

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<sup>1</sup> Clinical and lab experiences associated with NUR and NUS courses.

<sup>2</sup> Id.

## **Course Descriptions**

The following courses are offered by Jersey College in connection with the nursing programs. All courses may not be offered at all campuses and some courses may be offered through a consortium or other similar agreement.

## **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. (45 clock hours)

**BIO202 Microbiology: Impact of Microorganisms on the Environment with Lab.** 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. (45 clock hours)

Through laboratory exercises and experiments this course further expands students understanding of the basic principles of bacteriology and the relationship of micro-organisms to disease and its prevention, control, and treatment. (30 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, including a reflection paper, a business paper, and an APA research paper. 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. (45 clock hours)

**HSC203 Pathophysiology.** This course provides an overview of the structural and physiologic changes in disease. The course uses an evidence-based approach 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. (45 clock hours)

**HSC204 Principles of Pharmacology.** This course introduces the concepts of pharmacology. The focus is on the basic principles of biophysics, biochemistry and physiology related to drug action and interaction, distribution, metabolism and toxicity. The course will cover pharmacological agents 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. (45 clock hours)

**HSC205 Human Body in Health and Disease I.** This course focuses on the interrelationships of anatomy, physiology, and pathology with chemical and microbiological consideration for students in the health care field. The course utilizes a body systems approach to focus on diseases and implications on health. Students learn to recognize the causes, signs and symptoms of diseases of the major body systems as well as the diagnostic procedures, usual treatment, prognosis, and prevention of common diseases. The course covers, among other things, the study of the structure, function and disease related to cells, tissues, glands, the integumentary system, the musculoskeletal system and cardiovascular system. (45 clock hours)

**HSC206 Human Body in Health and Disease II.** This course is a continuation of Human Body in Health and Disease I. It covers the study of the structure and function and relationship of disease on the nervous, respiratory, digestive system and endocrine systems, as well as development, metabolism, electrolytes and acid base balance. In addition, the course explores the human body and disease with respect to growth and development, male and female reproductive systems and heredity disease. (45 clock hours)

**HSC207 Human Body in Health and Disease III.** Through laboratory exercises and experiments this course builds and expands on the coursework in Human Body in Health and Disease I and II. This physiology lab activities allow for interactive exploration of the human body and systems utilizing a virtual lab. (60 clock hours)

**HSC208 Basic Anatomy and Physiology.** This course provides a basic introduction into the human body and functions. Topics covered in the course include, medical terminology, cells and tissues, digestion and nutrition, body fluids, electrolytes and fluid balance, skin and glands, the skeletal and muscular systems, 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 and an introduction to the effect of disease and pathogens on the human body. (60 clock hours)

**HUN201 Nutrition.** This 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. (45 clock hours)

**MAT201 Math for Problem Solving and Research.** This 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 the review of research relative to evidence-based practice. (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. (45 clock hours)

**NUR201 Medical-Surgical Nursing I: Perspectives and Assessment of Care.** The emphasis of this course is disease processes and nursing care by the RN in the sub-acute, long-term care and community settings. The course includes 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 counseling and 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. (90 clock hours)

Practicum experiences in this course may be provided in sub-acute, long-term care and/or community-based settings. To reinforce active and independent learning and nursing skills this course may incorporate interactive computer-based programs and simulation exercises throughout the practicum experience. (90 clock hours)

**NUR202 Geriatric Nursing: Management Concepts for Elder Care.** This 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 the 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 counseling and teaching, and family dynamics. (30 clock hours)

The practicum portions of this course can include hands-on instruction at long-term care and rehabilitative facilities, as well as simulation exercises. (90 clock hours)

**NUR203 Psychiatric Nursing: Assessment and Management of Mental Health.** This 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, counsel 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. (45 clock hours)

The practicum portions of this course may include experiences at psychiatric medical facilities, acute care settings, long-term care facilities, community health care experiences and/or simulation activities. (45 clock hours)

**NUR204 Maternal-Newborn Nursing: A Family and Community-Based Approach.** This 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, counseling/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. (45 clock hours)

The practicum portions of this course may include acute care, community health and/or simulation experiences. (45 clock hours)

**NUR205 Pediatric Nursing: Caring for Children and Their Families.** This 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 practicum experiences in this course will also integrate relevant concepts of caring, pain management, communication, cultural awareness, documentation, self-care, and counseling/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. (45 clock hours)

Practicum experiences in this course may occur at early childhood care facilities, acute and ambulatory care settings and/or through simulation activities in Jersey College's learning laboratory. (45 clock hours)

**NUR206 Medical-Surgical Nursing II: Perspectives and Assessment of Care.** This 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. (90 clock hours)

Practicum experiences in this course may occur at acute settings, ambulatory care facilities, rehabilitative centers and/or through simulation activities in Jersey College's learning laboratory. In addition, the practicum experience may occur in long-term care setting to allow students to demonstrate their leadership/management abilities and other skills learned throughout their program. (135 clock hours)

**NUR209 Nursing Leadership and NCLEX Seminar.** This course focuses on preparing for licensure and transitioning into RN practice. Transition discussion topics include surviving the first year as a new RN, maintaining competence, moral dilemmas, medication error prevention, career employment and advancement. The course also includes a review of nursing licensure requirements and the NCLEX-RN examination. Emphasis in this course is on written and computerized testing, nursing management and leadership, and critical thinking and reasoning. (115 clock hours)

**NUR221 Nursing II: Introduction to Medical-Surgical Nursing.** This course focuses on health management, maintenance and prevention of illness, and deviations from the normal state of health for the adult client. The course explores, among other things, the nursing care and nursing interventions for illnesses and diseases affecting the integumentary, respiratory, cardiac, vascular, hematology, gastrointestinal, and genitourinary systems. Concepts of client care, treatments, pharmacology, diet therapy and interdisciplinary healthcare roles and responsibilities are discussed throughout the course. Content is presented from a patient-centered approach utilizing Roy's Adaptation Model (RAM) and Evidenced Based Practice to systematically and holistically assess patient status. (75 clock hours)

Practicum experiences in this course may be provided in acute, sub-acute, long-term care and/or community-based settings. The provision of the client care in the practicums include implementation of the nursing process, performance of focused assessments, demonstration of critical thinking, and assistance with patient counseling and education. To reinforce active and independent learning and nursing skills this course may incorporate interactive computer-based programs and simulation exercises throughout the practicum experience. (112.5 clock hours)

**NUR222 Nursing III: Psychiatric Nursing.** This course focuses on the basic principles and practices related to psychiatric nursing care. Students explore care for psycho-biological disorders throughout this course, including nursing interventions related to depression, schizophrenia, and somatic, dissociative personality, and bipolar disorders. The course also examines mental health nursing care related to distinct client populations, such as eating disorders, sexual violence, anger and substance abuse considerations for adolescents and adults, and Alzheimer, dementia and Parkinson's disease for geriatric adults. As part of the course, students utilize Roy's Adaptation Model (RAM) and Evidenced Based Practice to address the physiological and psychological needs of the client and understand the needs of the individual and family in their efforts to adapt to stressors. (45 clock hours)

As part of the practicums in this course, students apply the nursing process and implement nursing interventions that promote, maintain and restore mental health across the lifespan. The practicums also reinforce nursing principles related to therapeutic communication, patient counseling, psychopathology and interdisciplinary relationships. The practicums may occur at psychiatric medical facilities, in acute care or long-term care settings and/or simulation labs. (112.5 clock hours)

**NUR223 Nursing IV: Care of Women and Children.** This course introduces students to principles and concepts relevant to pre- and post-natal maternal nursing care, as well as, the care of children from infancy to adolescence. The course explores care of individuals and families from pregnancy to birth and from infancy to young adulthood. Emphasis is given to normal growth and development and nursing interventions that promote women and child health. Utilizing Roy's Adaptation Model (RAM) and Evidenced Based Practice students investigate the biological, cultural, spiritual and psychosocial needs of the mother, child and family. (112.5 clock hours)

Laboratory sessions and observational and/or hands-on practicums may be conducted as part of this course. These experiences may occur at the College or at select healthcare and day care agencies. The practicums will reinforce care across the lifespan and nursing concepts related to communication, healthcare roles, patient counseling, and cultural, emotional, and physiological based nursing care essential for the care of women and children. (112.5 clock hours)

**NUR224 Nursing V: Advanced Concepts of Medical-Surgical Nursing.** This course focuses on disorders, diseases, and the care of adult clients with musculoskeletal, neurological, sensory, immune, and oncological problems. The course incorporates concepts of evidenced-based client care, legal, professional and ethical standards, teamwork and collaboration, and safety and quality improvement of the professional nurse while providing care to clients with high acuity medical/surgical conditions. Roy's Adaptation Model (RAM) is utilized to implement the nursing process of patient assessment, needs identification, intervention, implementation and evaluation, and pharmacology. (75 clock hours)

The primary practicum emphasis in this course is with the adult patient in the acute health care setting. Application of knowledge and skills may occur in the nursing skills laboratory or in acute, sub-acute and/or chronic health care facilities and community-based experiences. Students are expected to demonstrate principles of prioritization and leadership throughout the practicum experiences. (112.5 clock hours)

**NUR225 Nursing VI: Leadership and Delegation.** This course examines nursing leadership and management roles. The course incorporates conceptual framework and critical thinking decision-making models to assist the professional nurse with interdisciplinary interactions. The course explores concepts related to management strategies and application of best practices to promote standards of care. Other topics reviewed in the course include maintaining competency, handling of moral dilemmas, advancing one's career, writing a resume, and becoming licensed. (30 clock hours)

**NUR226 Nursing Seminar.** This synthesis course requires students to demonstrate integration of learning and mastery of knowledge from multiple disciplines. The course incorporates a cumulative review of essential liberal arts, sciences and nursing content necessary for licensure and entry level practice. (90 clock hours)

**NUS201 LPN to RN Transition.** This 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 "C" or higher in this course 20 quarter credits will be awarded for prior learning associated with obtaining a student's Practical Nursing license. (30 clock hours)

**NUS210 Healthcare Foundations.** This course begins the student journey into the discipline of healthcare. Students are introduced to the history and profession of healthcare, including the legal and ethical bases for practice, the role of healthcare providers, diversity and cultural issues and the healthcare provider role as a communicator, teacher and manager of care. The course also explores and focuses on the healthcare process, communication and documentation. (70 clock hours)

Knowledge and skills acquired in this course are reinforced through laboratory and/or clinical instruction and practice focused on adult care in community and long-term care based settings. (75 clock hours)

Successful completion of this course provides students with the necessary curriculum and required competencies to take the licensure exam to become an articulated or certified nursing assistant (CNA) in many states.<sup>3</sup>

**NUS211 Healthcare Foundations.** This course begins the student journey into the discipline of healthcare. Students are introduced to the history and profession of healthcare, including the legal and ethical bases for practice, the role of healthcare providers, diversity and cultural issues and the healthcare provider role as a communicator, teacher/counselor and manager of care. The course also explores and focuses on the healthcare process, communication and documentation. (75 clock hours)

Knowledge and skills acquired in this course are reinforced through laboratory and/or clinical instruction and practice focused on adult care in community and long-term care based settings. (112.5 clock hours)

Successful completion of this course provides students with the necessary curriculum and required competencies to take the licensure exam to become an articulated or certified nursing assistant (CNA) in many states.<sup>4</sup>

**NUS212 Health Assessment and Skills.** This course reinforces and fortifies critical thinking, clinical reasoning, and clinical judgment skills by refining the assessment, documentation, and diagnostic reasoning skills of students. The course utilizes focused assessments to explore normal and abnormal medical conditions of clients and develop appropriate interventions. (60 clock hours)

Through the practicum in this course, students will apply health assessment concepts, skills and techniques to deliver patient care to the adult clients in the lab. (45 clock hours)

**NUS213 Health Assessment and Skills.** This course reinforces and fortifies critical thinking, clinical reasoning, and clinical judgment skills by refining the assessment, documentation, and diagnostic reasoning skills of students. The course utilizes focused assessments to explore normal and abnormal medical conditions of clients and develop appropriate interventions. (30 clock hours)

Through the practicum in this course, students will apply health assessment concepts, skills and techniques to deliver patient care to the adult clients in the lab. (45 clock hours)

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<sup>3</sup> Students are advised to contact the Campus Director to obtain additional information regarding state eligibility and the process for becoming a nursing assistant. Students not holding a current CNA license are encouraged to successfully complete the CNA licensing requirements.

<sup>4</sup> Id.

**NUS214 Transitions and Health Assessment.** This course is designed to assist the student to transition from LPN to RN education. Students will determine the differences between the LPN and the RN roles in healthcare to assist with successful transition to the new role. The course also explores reinforces and fortifies critical thinking, clinical reasoning, and clinical judgment skills by refining the assessment, documentation, and diagnostic reasoning skills of students. The course utilizes focused assessments to explore normal and abnormal medical conditions of clients and develop appropriate interventions. (75 clock hours)

Through the practicum in this course, students will apply health assessment concepts, skills and techniques to deliver patient care to the adult clients in the lab. (112.5 clock hours)

**NUS215 Healthcare Foundations.** This course begins the student journey into the discipline of healthcare. Students are introduced to the history and profession of healthcare, including the legal and ethical bases for practice, the role of healthcare providers, diversity and cultural issues and the healthcare provider role as a communicator, teacher/counselor and manager of care. The course also explores and focuses on the healthcare process, communication and documentation. (67.5 clock hours)

Knowledge and skills acquired in this course are reinforced through laboratory and/or clinical instruction and practice focused on adult care in community and long-term care based settings. (90 clock hours)

Successful completion of this course provides students with the necessary curriculum and required competencies to take the licensure exam to become an articulated or certified nursing assistant (CNA) in many states.<sup>5</sup>

**NUS216 Transitions and Health Assessment.** This course is designed to assist the student to transition from LPN to RN education. Students will determine the differences between the LPN and the RN roles in healthcare to assist with successful transition to the new role. The course also explores reinforces and fortifies critical thinking, clinical reasoning, and clinical judgment skills by refining the assessment, documentation, and diagnostic reasoning skills of students. The course utilizes focused assessments to explore normal and abnormal medical conditions of clients and develop appropriate interventions. (67.5 clock hours)

Through the practicum in this course, students will apply health assessment concepts, skills and techniques to deliver patient care to the adult clients in the lab. (90 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, Piaget, Maslow, Kohlberg, Havighurst, and others. (45 clock hours)

**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. (45 clock hours)

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<sup>5</sup> Id.