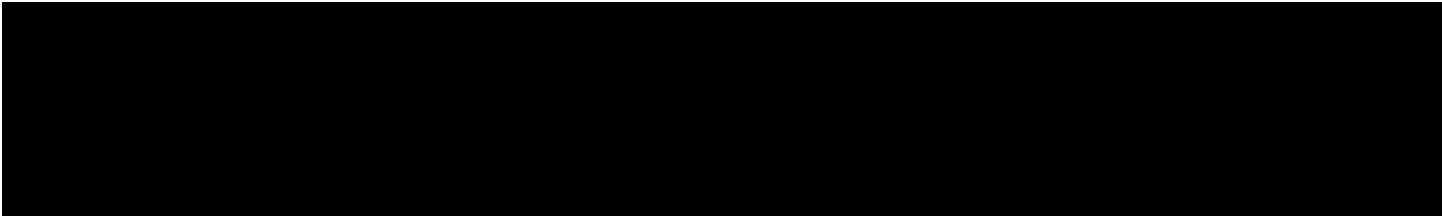


Course Offerings



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

200 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 Labs 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)

BIO204 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)

BIO205 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)

BIO206 Human Body in Health and Disease III The 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, nervous system, respiratory system, digestive system and endocrine systems. In addition, the course explores the human body and disease with respect to growth and development, male and female reproductive systems and heredity disease and electrolytes and acid base balance. (90 clock hours)

BIO207 Human Body in Health and Disease Lab Through laboratory exercises and experiments this course builds and expands on the coursework in Human Body in Health and Disease. This physiology lab activities allow for interactive exploration of the human body and systems utilizing a virtual lab. (60 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)

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

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

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

NUR224 Nursing V: Advanced Concepts of Medical-Surgical Nursing This course focuses on disorders, diseases,

NUS210 Healthcare Foundation 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

