

**ENN/SSN193 Ideal Societies***3 credits; 3 hours*

This course is designed to help students understand utopian movements in urban society from historical, sociological, philosophical, and literary perspectives. This course will focus on both the causes for creating utopian experiments and the ways in which utopias approach family structure, religion, education, power and economic organization. Literary versions of utopian communities will be studied. Field trips may be taken to such places as Roosevelt Island and Shaker villages.

*Prerequisite: ENA/ENG 101**This is a Writing Intensive course.***ENN195 Violence in American Art and Culture***3 credits; 3 hours**Fulfills "Pathways: Flexible Core-U.S. Experience in Diversity"*

This course surveys the depiction of various types of violence and the use of violence as a theme or metaphor in North American literature, art, and popular culture in a global context. Emphasis is placed on New York City as a laboratory and resource for researching considerations of violence in poetry, drama, fiction, film and other visual art forms as well as popular culture (e.g., lyrics, comic strips, advertising, horror and suspense stories). *This is a Writing Intensive Course.*

*Prerequisite: ENA101/ENG101.***ENN240 Literature of the City (formerly ENG240)***3 credits; 3 hours**Fulfills "Pathways: Flexible Core-U.S. Experience in Diversity"*

This course introduces students to the literature of the city. Students will explore urban themes, social issues and cultural developments in the fiction, essays, poems, autobiographies, and plays of major city writers like Charles Dickens, Walt Whitman, James Baldwin, Grace Paley, Anna Deveare Smith, Chang-Rae Lee, Hanif Kureishi and Oscar Hijuelos. Popular art forms like journalism, song lyrics and film may also be examined.

*Prerequisite: ENA/ENG101**This is a Writing Intensive course.***Health Sciences Department****Room E300 (718) 482-5774****Department Faculty**

**Philip Gimber**, Chairperson, Faith Armstrong, Tameka Battle, David Bimbi, Justin Brown, Clarence Chan, Catherine Colangelo, Marianne Cu, Patricia Dillon, Maureen Doyle, David Emig, Debra Engel, Natalya Fazylova, Nicolle Fernandes, Unn Hidle, Luisa Hindle, Kamrul Hudu, Margarita Israilova, Kathleen Karsten, Juline Koken, Regina Lehman, Karren Liebert, Theresa Licari, Jennifer Louis, Lorena Maldonado, Deborah McMillan-Coddington, Michele Mills, Kyaw Naing, Margaret Norris, Lisa O'Donnell, Jenny Palios, Sherrell Powell, Roxanne Reid, Suzanne Rosenberg, Herbert Samuels, Tara Scales, Arlene Spinner, May Tom, Marina Yuabova

**First Year Seminar****HSF090 First Year Seminar for Health Sciences***0 credits; 1 hour*

This First Year Seminar is required of all new students majoring in a program within the Health Sciences Department. This course addresses issues related to contemporary college life and provides students with the skills to transition to campus culture, develop a clear understanding of the learning process, and acquire the skills and dispositions essential to the study and practice of the health sciences in a professional capacity.

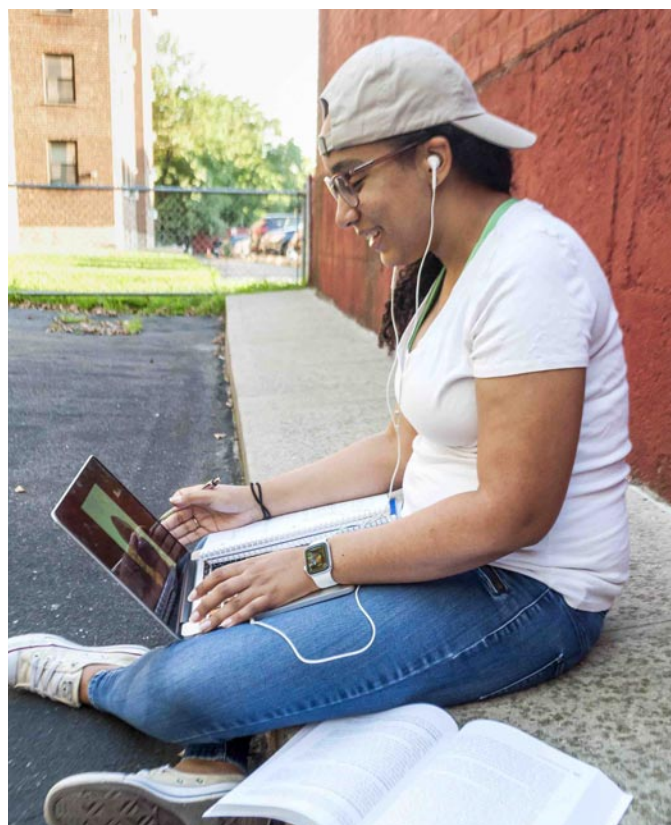


Photo: ©LaGCC

## Nutrition and Culinary Management

### SCD107 Careers in Nutrition and Culinary Management

1 credit; 1 hour

This course introduces students to the available careers in the nutrition and culinary management industry. Topics include the role and function of the nutrition and culinary management professional, professional ethics and conduct, professional organizations, and the skills necessary to complete an internship. Students will explore personal and career goals as they develop a professional e-Portfolio.

*Prerequisite:* ENA/ENG101, Math Proficiency

### SCD114 Culinary Arts I

2 credits; 5 hours (2 lecture, 3 lab)

This course introduces students to terms, concepts, and methods used in the culinary arts through classroom instruction and laboratory application. Fundamental techniques, skills, and principles governing the preparation of food are addressed to include the kitchen brigade, cooking techniques, heat transfer, knife skills, the sensory evaluation of food, culinary math, and equipment usage.

*Prerequisites:* MAT096/099,

*Pre-Corequisites:* ENA/ENG101

### SCD200 Introductory Nutrition

3 credits; 3 hours

*Fulfills "Pathways: Flexible Core-Scientific World"*

This course integrates nutrition science with the physical and life sciences: chemistry, biology, anatomy, and physiology. Evidenced based research directs the study of digestion, absorption and metabolism of nutrients; the physical and chemical properties of nutrients; their metabolic functions; and food sources. Socio-economic and behavioral factors that influence food selection and accessibility are addressed.

*Prerequisite:* MAT096

*Pre-Corequisites:* ENA/ENG101

### SCD203 Life Cycle Nutrition

3 credits; 4 hours

This course is the study of the nutrient needs of individuals throughout the life cycle. Emphasis will be placed on nutrition and food related behaviors, and the assessment of the physiological, socioeconomic and cultural factors affecting nutritional status. Nutrition and food related services of the government and non-profit agencies will be discussed.

*Prerequisite:* SCD200

### SCD204 Nutrition and Disease

3 credits; 5 hours (2 lecture, 3 lab)

This course is a study of the relationship between diet and disease. Students will apply medical nutrition therapy to various disease conditions such as diabetes, weight management, cardiovascular disease and hypertension, gastrointestinal disorders/disease, disease of the liver, pancreas, gallbladder and kidney, stress, HIV and cancer. Students will also learn about diet progressions and alternate feeding methods/routes; enteral and parenteral nutrition.

*Prerequisite:* SCD200

### SCD206 Nutrition Counseling

3 credits; 5 hours (2 lecture, 3 lab)

This course introduces students to the concepts, techniques, and skills needed to assess a client's nutritional needs, and to promote wellness through nutritional planning, counseling and education. Topics to be included are communication skills, education principles, interviewing and counseling techniques, and behavior modification, as well as the development, implementation, and documentation of a client nutrition care plan.

*Prerequisite:* SCD200

### SCD214 Culinary Arts II

3 credits; 5 hours (2 lecture, 3 lab)

This course builds on the culinary skills and techniques introduced in Culinary Arts I. The role of the kitchen brigade in culinary productions is emphasized. Laboratory applications address current trends in haute, nouvelle, ethnic, and fusion cuisine as well as food pairing, garniture, and presentation.

*Prerequisites:* SCD114

### SCD250 Menu Planning and Production

3 credits; 5 hours (2 lecture, 3 lab)

This course covers the basic principles involved in the planning preparation and service of large quantities of food in foodservice facilities. Topics include food selection variables, menu planning techniques, forecasting procedures, "front and back of the house" management, recipe standardization, conversion and costing. Term projects are required.

*Prerequisite:* SCD114; SCD251

### SCD251 Principles of Sanitation

2 credits; 2 hours

This course addresses the sanitation and safety principles that guide the flow of food through a culinary operation. Topics covered include the proper handling of food from procurement to service, facilities layout and design, cleaning and sanitizing procedures, and integrated pest management.

*Prerequisite:* SCD114

### SCD252 Principles of Purchasing

3 credits; 3 hours

This course provides an overview of the distribution channel in which food and goods are purchased in the culinary industry. Primary focus is on market analysis, supplier selection, forecasting and planning, cost controls receiving procedures, inventory controls, and ethical behavior. Global Sustainability practices in the culinary industry are addressed.

*Prerequisite:* SCD250

### SCD253 Culinary Management

3 credits; 4 hours (3 hours lecture, 1 hour lab)

This course addresses the principles and practices of human resources management and supervision in the culinary industry. Topics include leadership, motivation, communication, planning, recruitment, hiring, training, performance evaluations, discipline, staffing, organization, conflict resolution, and ethics. Legal aspects governing the workplace are also addressed.

*Prerequisite:* SCD250

**SCD266 Nutrition and Culinary Management Internship**

3 credits; 31 hours (1 lecture, 30 internship)

This internship provides students with the opportunity to apply and integrate the knowledge, the principles learned in their coursework to the workplace. Students will participate in the daily operation of a nutrition and culinary management establishment with an emphasis on managerial and supervisory responsibilities. Students are required to attend a weekly seminar.

*Pre-corequisite: SCD253*

**SCN240 Food and Culture**

3 credits; 3 hours

*Fulfills "Pathways: Flexible Core-U.S. Experience in Diversity"*

This course explores the foodways of population groups in the United States as an expression of identity and transmission of culture. The geographic, economic, religious and political factors that influence the development of regional food patterns in the United States are examined. The implications and impact of food production, preparation procedures, dining customs and their effect on American society, both past and present will be examined.

*Prerequisites: MAT096*

*Pre or Co-requisite: ENA/ENC/ENG101*

*This is a Writing Intensive course*

**Public and Community Health****SCH150 Drugs and Behavior**

3 credits; 3 hours

*Fulfills "Pathways: Flexible Core-Individual and Society"*

This course provides an overview of legal and illegal substances and their effects on society as well as individuals. Drug regulation and criminalization are examined in their historical contexts as well as the roles that psycho-active substances have played in various cultures throughout human history. A variety of methods are used to explore such issues as the psychosocial aspects of drug taking; the dynamics of dependence; pharmacology; medical and non-medical use of drugs; preventive measures and treatment.

*Prerequisite: English Proficiency, Math Proficiency*

**SCH160 Health and Wellness**

3 credits; 3 hours

Personal health behavior is examined in the areas of cardiovascular health, stress, sex and sexuality, substance abuse, nutrition, and physical activity. Chronic and communicable diseases will also be examined. Students will analyze the role of health risk behaviors in the development of disease, injury and chronic illness.

*Prerequisites: Math Proficiency*

*Pre-Corequisites: ENA/ENG101*

**SCH205 History and Principles of Public Health**

3 credits; 3 hours

This course is designed to introduce students to the history and enterprise of public health and strategies used in public health promotion and disease prevention initiatives. The course will provide students with an opportunity to learn about past, present and future key public health topics of importance, and to apply public health strategies to prevent or minimize these problems among culturally diverse populations across the lifespan.

*Prerequisites: HSF090, SSY101*

*Prelcorequisite: SCN195*

**SCH210 Human Sexuality**

3 credits; 3 hours

*Fulfills "Pathways: Flexible Core-Individual and Society"*

This course will provide students with an insight into historical, societal, and cultural influences on sexuality and individual behavior. The physical (sexual-reproductive anatomy/development, behavior), psychosocial (gender, sexual orientation, attitudes), and emotional (attraction, functioning) aspects of human sexuality are reviewed as well as ethical and legal issues. The positive functional aspects of sexuality are emphasized rather than the dysfunction.

*Prerequisite: English Proficiency, Math Proficiency*

**SCH215 The Social and Behavioral Determinants of Health**

3 credits; 3 hours

This course introduces students to the various biological, psychological, socio-cultural, economic, environmental, institutional, organizational and political factors influencing health conditions. Students explore core theories and models used in health outcome analysis from a systems perspective. Emphasis is placed on applying theories/models at various levels of influence to health concerns as a basis for intervention design to address health disparities/inequities in diverse communities.

*Prerequisite: SSS100*

*Prelco-requisite SCN196, SCH205, SCH225*

**SCH225 Health Behavior Change**

3 credits; 3 hours

This course introduces students to core theories and models used to inform strategy development for the purpose of initiating and maintaining change in behaviors, cognition, and emotions related to health. Theories and models targeting various levels (e.g. intrapersonal, institutional, societal) will be assessed for potential effectiveness in addressing health concerns. Students will examine the application of theory to health behavior through digital resource material creation and discussion.

*Prerequisite: SSS100*

*Prelcorequisite: SCH205*

**SCH235 Epidemiology***3 credits; 3 hours*

This course introduces the background, basic principles and methods of public health epidemiology. Particular emphasis is on applying epidemiologic methods to public health problems such as measures of disease frequency, study designs and bias, effect modification, outbreak investigations, screening, causality and ethical issues. Required assignments are focused on the interpretation and evaluation of health information from published epidemiologic studies.

*Prerequisite: ENG102, SCH225**Prelcorequisite: MAT115/117 or MAT119/120***SCH285 Health and Diversity***3 credits; 3 hours*

This capstone course explores, from a systems perspective, underserved and emerging groups' health disparities. Cultural competency, responsiveness and inclusivity are examined as tools that can be applied to address health disparities. A project, focusing on population-specific health concerns and prospective culturally relevant needs assessment design, along with a digital portfolio will be developed to demonstrate integrative learning, skill development, and future career planning capacity.

*Prerequisite: ENG102, SCH215, SCH225***SCN194 HIV/AIDS, Science and Society***3 credits; 3 hours**Fulfills "Pathways: Flex Core-World Cultures & Global Issues"*

Through interdisciplinary perspectives this course will examine in historical contexts the political and social responses within nations and cultures to the global HIV/AIDS pandemic including comparison of local HIV prevention efforts and support for people with HIV/AIDS. The history of the epidemic in New York City focused on local HIV/AIDS activism and socio-political issues will be reviewed as will the impact on local socio-cultural communities (e.g., gay men, people of color, injection drug users.) The course will also review the biological basis of HIV transmission, AIDS etiology and the interdisciplinary scientific basis of HIV prevention and treatment strategies (e.g, medical, psycho-social.)

*Prerequisite: ENA/ENG101, Math Proficiency**This is a Writing Intensive course.***SCN195 Community Health***2 credits; 2 hours*

This course will examine the historical, philosophical, and theoretical principles and foundations of community health. Global perspectives on the role of health education in keeping people and communities healthy, as well as future trends in health promotion will be analyzed. NYC Department of Health initiatives and data, as well as NYC historical events in health are used to illustrate course concepts. This writing intensive course includes assignments based on required reading and activities.

*Prerequisite: Math Proficiency, ENA/ENG101, SSS101**Prelcorequisite: HSF090***SCN196 Community Health Research***1 credit; 1 hour*

This course provides an overview of open sources of health data on New York City residents available for public use. Students will be introduced to the process of preparing and presenting research through development of an ePortfolio project focused on a specific health issue within their local community.

*Corequisite: SCN195**This is a Writing Intensive course***Human Services****HSS101 Introduction to Human Services***3 credits; 3 hours*

This course provides students with a broad view of human services. A historical perspective of how human services developed in the US and internationally; the involvement of faith based groups; development of secular services; and crisis intervention services in response to natural disasters, war and poverty and hunger will be addressed.

*Prerequisite: ENA/ENG101, Math Proficiency**Pre or Corequisite: HSF090, SSS101***HSS102 Social Welfare & Social Policy***3 credits; 3 hours*

This course introduces the foundations of applied social welfare policy analysis and intervention. The development of social welfare policy and programs in the United States will be examined within historical context utilizing multiple analytical frameworks (e.g., ideologies, theories, values, belief systems). The impact of social welfare policy on poverty, health care, child welfare, and changing population demographics will be reviewed for effectiveness.

*Prerequisite: ENA/ENG101, Math Proficiency**Pre-or Corequisite: HSS101, SSS100***HSS208 Human Services and Disabilities***3 credits; 3 hours*

Students will be introduced to the Human Services role with people with disabilities focusing on emotional growth, independence and a sense of mastery. Cognitive, developmental, mobility and other physical disabilities in addition to various rehabilitative counseling approaches will be explored using role play techniques.

*Prerequisite: HSS101, HSS102***HSS214 Social Gerontology***3 credits; 3 hours*

This course examines older adults as a diverse population group within American society through interdisciplinary perspective social gerontology (e.g., anthropology, biology, health, political science, psychology and sociology). Older adults as a sociopolitical group in the United States and the individual, familial, cultural and social aspects of aging and the aging process will be explored through the required readings and written assignments.

*Prerequisite: HSS101**Pre-or Corequisite: HSS102, SCN195*

**HSS216 Interviewing and Counseling**

3 credits; 4 hours (2 classroom, 2 lab)

This course will provide students with an in-depth look at approaches to individual counseling with an emphasis on practical knowledge and techniques for effective counseling practice in a multicultural society. Laboratory activities will focus on practice techniques of Motivational Interviewing.

*Prerequisite:* ENA/ENG101, Math Proficiency, SSY101;

*Pre-or Corequisite:* SCN195

**HSS218 Group Interviewing & Counseling**

3 credits; 4 hours (2 classroom, 2 lab)

This course will provide students with an in-depth look at multicultural group counseling with an emphasis on practical knowledge and techniques for effective group leadership. Students will explore theories of group dynamics and learn and practice skills for leading groups in a wide range of settings such as social work, mental health, substance abuse, and others. Lab activities focus on building skills for leading groups using Motivational Interviewing.

*Prerequisite:* HSS216, SSS100.

**HSS290 Health and Human Services Seminar and Internship**

3 credits; 8 hours (2 classroom, 6 field hours per week)

This course introduces students to the duties and responsibilities of professionals working within health and human services settings. Students will be required to complete 72 hours of fieldwork. The seminar will focus on development of essential professional skills and ethical practices (e.g., communication, cultural competency) through classroom discussion and written activities. This capstone course includes a required ePortfolio studio hour focused on professional and academic development.

*Prerequisite:* ENG102, SSP101, SCN196,

HSS102, HSS216

*Pre/corequisite:* HSS214, HSS295

**HSS295 Community Organizing and Development**

3 credits; 3 hours

This course is an overview of the human services profession, community practices, and the variety of ways human needs are met through promoting justice. Students study the values, theories, skills, and techniques used in the fields of human services, asset-based community development, and community justice. Planning techniques of organizations in the profit, notfor-profit and governmental sectors and the processes affecting change in human service organizations are reviewed.

*Prerequisite:* ENG102, SSP101, SCN196, HSS102, HSS216

*Pre/corequisite:* HSS214

**Nursing****LICENSED PRACTICAL NURSING (LPN)****SCL101 Fundamentals of Practical Nursing**

6 credits; 12 hours (3 classroom, 3 lab, 6 clinical)

This course will assist students in gaining knowledge of essential nursing skills and procedures. The students will develop skills in collecting data, diagnosis recognition, assisting the planning and implementation of the care plan, performing procedures, handling equipment, and documenting client outcomes. Clinical experiences stress the development of fundamental nursing skills.

*Prerequisite:* ENA/ENG101, MAT106, SCB204, SSY101

*Pre- or Corequisite:* SSY240, SCL103

**SCL103 Concepts in Pharmacology and Nutrition**

3 credits; 5 hours (2 lecture, 3 lab)

This course will introduce principles of pharmacology and nutrition. The focus will be on the study of pharmacological classifications, actions, therapeutic uses, and side effects of medications. Methods of nutrition delivery and drug and diet interactions will be addressed. Emphasis will be placed on the nursing process as it relates to the nurse's responsibilities in the provision of nutritional therapeutics and the administration of medications to clients across the lifespan.

*Prerequisite:* ENA/ENG101, MAT106, SCB204, SSY101

*Corequisite:* SCL101, - PN program

*Corequisite:* SCR210 - RN program

**SCL105 Mental Health Nursing-PN**

3 credits; 14 hours (4 lecture, 10 lab)

This course introduces the student to the mental health needs of individuals and families across the life span within a cultural context. The focus is on communication skills, mental health disorders and various treatment modalities. The changing professional, legal, and ethical issues of practical nursing in the mental health setting are also explored. The students will be given the opportunity to develop increased personal insights about their own view of self and the world.

*Prerequisite:* SCL114

*Corequisite:* SCL120

**SCL114 Parent-Child Nursing-PN**

6 credits; 26 hours (8 lecture, 18 lab)

This course emphasizes the scope of practice of the practical nurse providing care to pregnant clients and families during antipartum, intrapartum and postpartum period. Utilizing a lifecycle approach, students assess and care for neonates and pediatric hospitalized clients and families in a holistic manner. Physical, psychosocial, growth and development and cultural aspects are central components of care. Clinical experiences will be provided to enable the student to transfer theory into practice.

*Prerequisite:* SCL101, SCL103, SSY240

**SCL119 Medical-Surgical Nursing-PN***9 credits( 4 classroom, 3 lab, 12 clinical)*

This course discusses common health problems and health alterations. The focus is on adult clients across the lifespan with an emphasis on the older adult with acute and chronic illnesses in a variety of health care settings. Nursing care within culturally sensitive environments will be emphasized. Students move through the course developing more advanced nursing care skills relating to medical-surgical conditions. Clinical experiences will take place in rehabilitation units and medical-surgical units.

*Prerequisite: SCL114; Corequisite: SCL105, SCL120*

**SCL120 Transition to Practical Nursing-PN***2 credits (2 classroom)*

This course is designed to help students clarify responsibilities and roles as new graduates. Students will be guided and supervised to identify performance standards and behaviors necessary to function safely and effectively as graduate practical nurses. Students will be assisted to develop critical thinking strategies required for success on the National Council Licensure Exam (NCLEX) and to complete the professional portfolio.

*Prerequisite: SCL114 Co-requisite: SCL119, SCL105*

**REGISTERED NURSING****SCR100 LPN to RN Bridge Course***3 credits; 5 hours (2 classroom, 3 lab)*

This course provides a “bridge” for LPNs pursuing an RN license. Course content will include medical surgical and pharmacological nursing concepts. The nursing process and informed decision making are emphasized. Students will develop appropriate plans of care and emphasis will be placed on formulating expected outcomes.

*Prerequisite: SCB204, SCB260, SCC110, SSY240*

*Pre-or Corequisite: ENG102. CPR Certification: American Heart Association-BCLS-Healthcare Provider*

**SCR110 Fundamentals of Nursing***6 credits; 12 hours (3 lecture, 3 lab, 6 clinical)*

This course is an introduction to the five interrelated roles of the associate degree nurse, with emphasis on the role of provider of care. Students focus on the assessment and analysis phases of the nursing process to formulate nursing diagnoses. Campus laboratory experiences stress the development of fundamental nursing skills. Clinical experiences in health facilities involve care of clients with health problems. A uniform, liability insurance, and physical examination are required.

*Prerequisite: ENA/ENG101, SCB204, SCC110, SSY101*

**SCR200 Psychiatric Mental Health Nursing***4 credits; 8 hours (2 classroom, 6 lab)*

This course focuses on the psychosocial needs of clients through-out the life cycle. The assessment of clients’ physical and behavioral responses to stress will be explored as well as the determination of goals for intervention. Focusing on the use of self as a therapeutic agent, students will learn techniques of intervention to promote and maintain clients’ mental health, as well as assist clients who are mentally ill. Experiences will be provided in psychiatric/mental health settings.

*Prerequisites: SCB260, SCR210*

*Pre-corequisite: ENG102*

*Corequisite: SCR270*

**SCR210 Medical Surgical Nursing I***5 credits; 9 hours (3 lecture, 3 lab, 3 clinical)*

This course will focus on nursing care of adults with major health problems. Utilizing the nursing process, students will develop appropriate plans of care for clients. Emphasis will be placed on formulating goals for interventions. Heavy emphasis is placed on pharmacology.

*Prerequisite: MAT119/120, SCR110, SSY240*

*Pre-Corequisite: SCB260 Corequisite: SCL103*

**SCR270 Parent-Child Health Nursing***8 credits; 8 hours (2 classroom, 3 lab, 3 clinical)*

This course focuses on the promotion of health and caring for childbearing families, their newborns, and children with major health problems from infancy to adolescence. Emphasis is placed on the implementation of nursing concept maps. Experiential learning offers opportunities to provide care during the antepartal, intrapartal, and postpartal periods of the maternity cycle, as well as in the newborn and pediatric settings.

*Prerequisite: SCB260, SCR210*

*Pre- or Corequisite: ENG102*

*Corequisite: SCR200*

**SCR280 Leadership and Delegation***2 credits; 2 hours*

This capstone course assists the new graduate transition to the role of professional nurse. The focus is on the necessary knowledge and skills needed by the graduate to be an integral member of the inter-professional healthcare team and manager of patient care. Issues related to setting priorities, delegation, quality improvement, legal parameters of nursing practice and ethical issues will be discussed.

*Prerequisite: SCR200, SCR270*

**SCR290 Medical Surgical Nursing II***9 credits; 19 hours (4 lecture, 3 lab, 12 clinical)*

This course focuses on the care of adult clients whose ability to meet one or more health needs is severely compromised. Emphasis will be placed on the evaluation phase of the nursing process. Selected experiences will be provided in specialized acute care settings.

*Prerequisite: SCR200, SCR270*

## Occupational Therapy

### SCO101 Introduction to Occupational Therapy

3 credits; 7 hours (1 lecture, 6 lab)

This course provides an overview of occupational therapy, its scope of practice and basic principles, and introduces some of the roles of the occupational therapy assistant. Course activities include analysis and instruction of games and small crafts, development of communication skills, practice of body mechanics and ergonomics and field visits. The effects of environmental and cultural differences in shaping activity behaviors and preferences are emphasized.

*Prerequisite:* ENA/ENC/ENG101, SCB203, SCN195, SSY101, OTA000

*Corequisite:* SCO110

### SCO110 Legal and Ethical Issues in Occupational Therapy

2 credits; 2 hours

This course addresses current legal and ethical considerations for the occupational therapy assistant. Topics range from history and philosophical base of occupational therapy to licensure and certification. Reimbursement issues, the occupational therapy code of ethics, ethical dispute resolution in professional settings, interdisciplinary roles with other professionals and advocacy for the profession and the consumer will be covered.

*Prerequisite:* OTA000

*Corequisite:* SCO101

### SCO114 Documentation for Occupational Therapy

2 credits; 2 hours

This course provides students with background and skills to document occupational therapy services in a professional and accurate manner. The course will review ethical, legal, reimbursement and language issues, and will focus on skill development for note writing. Topics include: evaluation reports, goal writing, intervention plans, SOAP (subjective, objective, assessment plan) and DAP (data, assessment, plan) notes, discontinuation plans, educational plans and administrative reports.

*Prerequisite:* SCO110

*Pre- or Corequisite:* ENG102, SCO204, SCO214, SCO284

### SCO175 Clinical Reasoning in Occupational Therapy

2 credits; 2 hours

Clinical reasoning is the process by which a therapist or therapy assistant analyzes the functional status of a patient/client/consumer, identifies problems and goals, and determines plans of action, as appropriate to each practitioner's level of responsibility. Aspects of clinical reasoning and evidence-based practice are explored through readings and experiential assignments. Types of reasoning explored include: narrative, scientific, procedural, interactive, conditional and pragmatic.

*Prerequisite:* SCO101, SCO110, SCO114, SCO204, ENG102

*Pre- or Corequisite:* SCO205, SCO215, SCO285

### SCO200 Physical Aspects of Human Growth and Development

2 credits; 2 hours

This course presents an overview of human biological development as it affects functional performance from birth to pubescence. Specific topics include development of the sensory and motor systems, sensory integration, reflex integration, differentiation of joint motion, and the role of the endocrine system. The importance of the human and non-human environment in facilitating and supporting optimal development is emphasized.

*Prerequisite:* SCB204, SCO101, SSY101, SCN195

*Pre- or Corequisite:* SCO230

### SCO204 OT Process: Psychosocial and Geriatric Conditions

4 credits; 4 hours

This course presents occupational therapy theory and process skills for interventions with clients and consumers with psychosocial dysfunction and/or disorders associated with aging. Topics include: data collection, treatment planning and implementation, reassessment and termination, family involvement, the use of groups, and social policy issues. A client-centered approach is emphasized, with special attention to personal history and preferences, culture, and environment.

*Prerequisite:* SCO101, SCO110, SCB204, SSY230

*Pre-or Corequisite:* SCO214;

*Corequisite:* SCO114, SCO284

### SCO205 OT Process: Physical and Developmental Disabilities

4 credits; 4 hours

This presents occupational therapy theory base and process skills for evaluation and treatment of patients with physical and/or developmental disabilities. Topics include: data collection, problem solving, treatment planning and implementation, reassessment, family involvement, legal, ethical and regulatory issues. Identification of intervention for functional performance deficits is the primary emphasis.

*Prerequisite:* SCO101, SCO110, ENA/ENC/ENG101

*Pre- or Corequisite:* SCO175, SCO215, SCO285

### SCO214 OT Skills and Functional Activities I

3 credits; 6 hours (2 lecture, 4 lab)

This course provides a foundation for performing, analyzing and instructing functional activities used for persons with psychosocial dysfunction and/or disorders associated with aging. The student is exposed to the assessment, planning and intervention processes and the selection of activities. Program planning, group leadership and behaviors, cognitive skills interventions, program administration and management are included. Students learn woodworking hand tools and small power tools.

*Prerequisite:* SCB204, SSY230, SCO101, SCO110

*Pre- or Corequisite:* ENG102

**SCO215 OT Skills and Functional Activities II***3 credits; 6 hours (2 lecture, 4 lab)*

This course provides the student with experience in performing, analyzing, adapting and instructing activities used in the treatment of patients with physical and/or developmental disabilities.

Activities are organized around the childhood roles of player and learner, and the adult roles of student, worker, homemaker, parent, recreator and self-maintainer. Topics including: splinting, toys and play activities, adaptation of equipment and environment, positioning transfers and treatment modalities.

*Prerequisite:* SCO101, SCO110, ENG102

*Pre- or Corequisite:* SCO175, SCO205, SCO285

**SCO230 Functional Pathology***3 credits; 3 hours*

This course is a systems approach to the study of pathophysiology. Emphasis will be on the normal and abnormal response to disease and injury, and effects on body systems. Consideration will be given to selected disorders, with a survey of etiology, pathology, symptomatology, management and prognosis related to therapeutic principles, applications, and interventions.

Knowledge of proper terminology and techniques of literature review will also be emphasized.

*Prerequisite:* SCB204

*Corequisite:* SCO101 for OTA; SCT101 for PTA

**SCO284 OT Clerkship for Psychosocial/Geriatric Conditions***1 1/2 credits; 5 hours (1 lecture, 4 fieldwork)*

This is an introductory fieldwork experience in a supervised setting. The setting may be one which serves persons with psycho-social conditions or one which provides activity/recreation/leisure programming for the aged. The student spends a minimum of one half day per week or the equivalent at the fieldwork site. Attendance at a weekly seminar is required and provides opportunities for students to integrate classroom theory with fieldwork experiences.

*Prerequisite:* SCB204, SSY230

*Pre- or Corequisite:* SSY260

*Corequisite:* SCO204

**SCO285 OT Clerkship for Physical/Development Disabilities***1 1/2 credits; 5 hours (1 lecture, 4 fieldwork)*

Introductory fieldwork in a supervised setting. The setting may serve persons with physical disabilities or developmental disabilities. The student spends a minimum one half day per week or the equivalent at the fieldwork site. A weekly seminar provides opportunities to integrate classroom theory with fieldwork experiences.

*Prerequisite:* SCB204, SCO101, SCO200, SCO230

*Corequisite:* SCO205, SCO215

**SCO294 OT Fieldwork in Psychosocial/Geriatric Conditions***2 credits; 38 hours (1 lecture, 37 fieldwork)*

This is a full-time placement in a supervised clinical or community setting serving persons with psychosocial or behavioral or cognitive impairments. Attendance at a weekly seminar is required. A minimum of eight weeks or the equivalent of full-time hours must be completed to satisfy requirements of the American Occupational Therapy Association. Students are responsible for their travel costs for fieldwork.

*Prerequisite:* SCO204, SCO214, SCO284; *permission of Occupational Therapy Assistant Program Director is required to register.*

**SCO295 OT Fieldwork: Physical/Development Disabilities***2 credits; 38 hours (1 lecture, 37 fieldwork)*

This is a full-time placement in a supervised clinical or community setting serving persons with physical or developmental disabilities. Attendance at a weekly seminar is required.

A minimum of eight weeks or the equivalent of full-time hours must be completed to satisfy requirements of the American Occupational Therapy Association. Students are responsible for their travel costs for fieldwork.

*Prerequisite:* SCO205, SCO215, SCO285; *permission of Occupational Therapy Assistant Program Director is required to register.*

## Paramedic

**SCE100 Emergency Medical Technician-Basic***6 credits; 10 hours (4 lecture, 6 lab)*

This course provides an introduction into basic pre-hospital emergency care. Following the current National Standard Curriculum for the EMT-Basic, topics include Airway, Cardiac Arrest and CPR, Patient Assessment, Medical/Behavioral/Obstetrics/ Gynecology, Trauma, Infants/Children and Operations. Students are eligible for NYS certification upon successful completion of course. Students must satisfactorily perform all practical skills to successfully complete the course.

*Prerequisite:* CSE099, ENA/ENG099, ESA099, ENA/ENC101, MAT096

**SCE110 Fundamentals of Paramedic I***6 credits, 18 hours*

This course introduces the most recent NYS paramedic curriculum and reflects the National Paramedic Standards. Topics include Orientation, Clinical Rotation Overview, Roles and Responsibilities, Public Health, Basic Math Review, Medication Administration, Vascular Access, Medical-Legal and Ethical Issues in EMS, Well Being of the Paramedic, Pharmacology, Airway, Communication with Patients, and History Taking and Documentation. This class includes laboratory and clinical components.

*Prerequisite:* ENG102, HUP102, MAT115, SCB204, SCN194, SSY101 *Corequisite:* SCE111



**SCE111 Fundamentals of Paramedic II***6 credits, 18 hours*

This course introduces the most recent NYS paramedic curriculum and reflects the changes recommended in the National Paramedic Standards. Topics include Patient Assessment, Life Span Development, Critical Thinking and Clinical Decision Making, Techniques of Physical Exam, Assessment Based Management, Pediatrics, Respiratory Emergencies, Cardiovascular Emergencies, Electrophysiology, Pathophysiology and Management of Coronary Artery Disease (CAD) and Angina, and Sinus Based Electrocardiogram Rhythm Interpretation.

*Corequisite: SCE110***SCE203 Intermediate Paramedic I***5 credits, 16 hours*

This course introduces the most recent NYS paramedic curriculum and reflects the changes recommended in the National Paramedic Standards. Topics include ECG Review, Junctional Rhythms, Heart Blocks, Ventricular Rhythms, Management of Symptomatic Bradycardia and Tachycardias, Troubleshooting Pacemakers, Pulmonary and Cardiac Assessment and Management Scenarios, Defibrillation, 12-Lead ECG, Advanced Cardiac Life Support, and Cardiac and Neurologic Emergencies.

*Prerequisite: SCE111***SCE204 Intermediate Paramedic II***6 credits, 18 hours*

This course introduces the most recent NYS paramedic curriculum and reflects the changes recommended in the National Paramedic Standards. Topics include Diseases of the Eyes, Ears, Nose and Throat, Endocrine Emergencies, Immunologic Emergencies, Psychiatric Emergencies, Soft Tissue Trauma, Burns, Face and Neck Trauma, Head and Spine Trauma, Orthopedic Trauma, and Management and Resuscitation of the Critical Patient.

*Prerequisite: SCE203***SCE205 Advanced Paramedic I***6 credits, 18 hours*

This course introduces the most recent NYS paramedic curriculum and reflects the changes recommended in the National Paramedic Standards. Topics include Chest Trauma, Abdominal and Genitourinary Trauma, Environmental Trauma, Special Considerations in Trauma, Gynecology, Genitourinary and Renal Emergencies, Abdominal and Gastrointestinal Emergencies, Infectious Diseases, Toxicology, Obstetric Emergencies, and Neonatal Care.

*Prerequisite: SCE204***SCE206 Advanced Paramedic II***5 hours, 16 hours*

This course introduces the most recent NYS paramedic curriculum and reflects the changes recommended in the National Paramedic Standards. Topics include Pediatrics, Hematology, Patients with Special Challenges, Advanced Cardiac Life Support and Pediatric Advanced Life Support, Pharmacology, Geriatrics, Ambulance Operations, Vehicle Extrication and Special Rescue, Phases of Rescue Operations, Incident Management and Multiple-Casualty Incidents, NYS Exam Preparation, NYC Protocol Exam Preparation.

*Prerequisite: SCE205***Physical Therapy****SCT101 Introduction to Physical Therapy***2 credits; 2 hours*

This course introduces the concepts and scope of physical therapy, its professional organization, and its relationship with other health professions. Subjects include: the role and function of health personnel, professional conduct, professional responsibilities, core values of a physical therapist and physical therapist assistant, medical terminology, communication skills for patients and clients, and physical therapy documentation. In addition, cultural diversity and health disparities within the health care profession are discussed.

\* *Prerequisite: SCB204, ENG102, SSY240, HUP102, HUP106, MAT120/119 or 115/117.*

*Corequisite: SCT102, SCO230***SCT102 Ethical and Legal Concepts for PT***2 credits; 2 hours*

This course introduces the topics of medical ethics and legal issues as applied to physical therapy practice. Students will have the opportunity to apply legal and ethical theories and concepts to analyze and discuss issues faced by healthcare practitioners. Ethical and legal standards set forth by the legal system in United States, the Standard of Practice of New York State, and the American Physical Therapy Association core ethics documents will be explored. Students will also become familiar with the various aspects of administrative, financial, quality improvement, and personnel management information as related to health care practice in the United States.

\* *Prerequisite: SCB204, ENG102, SSY240, HUP102, HUP106, MAT120/119 or 115/117.*

*Corequisite: SCT101, SCO230***SCT203 Clinical Kinesiology***4 credits; 6 hours (2 lecture, 4 lab)*

This course introduces students to the study of musculoskeletal system as the basis for movement and exercise. Topics include: principles of movement, body mechanics, muscle actions, nerve innervations, and types of joints and movements. Students will become familiar with measurement of joint range of motion and assessment of strength through manual muscle testing. Movement impairments as a result of orthopedic and neurological conditions in pediatric, adult, and geriatric populations will be introduced.

*Prerequisite: SCT101, SCT102, SCO230**Corequisite: SCT220, SCT211*

**SCT211 Therapeutic Procedures I***4 credits; 6 hours (3 lecture, 3 lab)*

This course is designed to introduce and prepare physical therapist assistant students to provide physical therapy management in a variety of clinical settings and patient/client conditions. Students will learn to perform duties in a manner consistent with the American Physical Therapy Association's core documents including: Values Based Behaviors for the Physical Therapist Assistant; the Guide for Conduct of the Physical Therapist Assistant; Standards of Ethical Conduct for the Physical Therapist Assistant; and Minimal Required Skills of Physical Therapist Assistant Graduates at Entry-Level. Topics include general review of systems, recognition of precautions and warning signs associated with common pathologies, human tissue response to injury and repair, and the physiology of pain. Patient/client management in integumentary and cardiopulmonary care will be introduced.

*Prerequisite: SCT101, SCT102, SCO230**Corequisite: SCT203, SCT220***SCT212 Therapeutic Procedures II***3 credits; 5 hours (2 lecture, 3 lab)*

This course focuses on the principles and uses of biophysical agents utilizing thermal, mechanical, electrical, and electromagnetic energy as they relate to physical therapy. A review of human tissue response to injury and repair will be discussed. Course content will include: proper preparation and management of patients/clients treatment areas and equipment, application of radiant therapy agents, therapeutic ultrasound, shortwave diathermy, mechanical traction and compression, laser, ultraviolet, electrical stimulation and biofeedback.

*Prerequisites: SCT203, SCT211, SCT220**Corequisite: SCT221***SCT220 Mobility Skills in Physical Therapy***3 credits; 5 hours (2 lecture, 3 lab)*

Functional training such as bed and mat mobility skills, including body mechanics, wheelchair prescription and management, transfer skills will be introduced. Student will explore issues related to safety in negotiating architectural barriers as they affect the patient/client across the lifespan in the home, community, and work environment. Principles of therapeutic massage and various techniques for specific clinical applications are introduced.

*Prerequisite: SCT101, SCT102**Corequisite: SCT203, SCT211***SCT221 Functional Gait Training Skills***3 credits; 5 hours (2 lecture, 3 lab)*

This course reviews the principles of gait, locomotion, and balance activities in their application to various physical disabilities. The students will be introduced to the basic concepts of the normal gait cycle and gait deviations. Gait training, including measurement and training with the use of assistive devices and instruction on level and elevated surfaces, will be addressed. Basic concepts of orthotic and prosthetic descriptions, usage, and residual limb care will be introduced.

*Prerequisite: SCT203, SCT211, SCT220**Corequisite: SCT212***SCT230 Orthopedic Therapeutic Exercise***4 credits; 6 hours (3 lecture, 3 lab)*

This course provides the rationale for clinical application of therapeutic exercise training as it relates to orthopedic pathologies. A review of anatomy and the musculoskeletal system will be included. Students will become familiar with the theory and clinical concepts of exercise training as it relates to strength, power, and endurance. Specific protocols will include an orthopedic approach to exercise techniques and exercise planning for a variety of diagnoses. In addition, selected manual therapeutic techniques will be introduced. Students will perform evidence-based research to identify therapeutic protocols and apply appropriate exercise techniques.

*Prerequisite: SCT212, SCT221**Corequisite: SCT231, SCT290***SCT231 Neuromuscular Rehabilitation***4 credits; 6 hours (3 lecture, 3 lab)*

This Capstone course will integrate the student's prior learning and focus on holistically treating patients and clients with neuromuscular conditions. The course provides the rationale for assessment and intervention in accordance with the Physical Therapist's plan of care as it relates to neuromuscular rehabilitation. Students will also be introduced to the field of pediatric physical therapy including therapeutic play. An integrated, written evidence based practice project will be submitted at the end of the term. A studio hour enables students to complete their capstone Physical Therapist Assistant Student Professional ePortfolio.

*Prerequisite: SCT212, SCT221**Corequisite: SCT230, SCT290***SCT290 PTA Clinical Education & Seminar I***2 credits (1 lecture, 8 lab)*

This clinical learning experience provides students with an experience-based learning opportunity to: apply classroom learning to real work situations and practice, and strengthen interpersonal and technical skills. Students attend 80 hours at an off campus clinic and attend a concurrent bi-weekly seminar on campus that provides a framework for analyzing and evaluating students' clinical learning experiences. Topics will include Americans with Disabilities Act (ADA) guidelines, Health Insurance Portability and Accountability Act of 1996 (HIPAA) documentation and payment guidelines, and radiology and pharmacology implications on physical therapy practice. Legal and ethical standards for health care providers are reviewed and reinforced.

*Prerequisite: SCT221, SCT212**Corequisite: SCT230, SCT231***SCT291 PTA Clinical Education and Seminar II***3 credits; 1 lecture, 28 lab*

This clinical education experience course provides the student the opportunity to apply, integrate, and perform learned clinical skills in an off campus physical therapy clinical setting. Students will have the opportunity to apply critical thinking and problem solving skills under the supervision of a licensed physical therapist. In conjunction with this clinical education experience there are scheduled seminars where the student will continue to improve communication skills, critical thinking skills, gain an understanding of the professional role of the physical therapist

assistant in the healthcare system, and develop methods of enhancing and continuing their learning process.

*Prerequisite:* SCT230, SCT231, SCT290

### **SCT292 PTA Clinical Education and Seminar III**

*3 credits; 1 lecture, 28 lab*

This course provides students with the continued opportunity to apply and integrate the theory and knowledge of a physical therapist assistant under the supervision of a physical therapist. The student is expected to assume increased responsibility for clinical and administrative tasks and is expected to be clinically at entry level at the completion of the course. The seminar portion is designed to prepare the student to take the National Physical Therapy Exam (NPTE).

*Prerequisite:* SCT291

## **Radiologic Technology**

### **SCX101 Radiologic Technology I**

*3 credits; 3 hours*

This course will provide students with an overview of the Radiology Profession, Patient Care, Medical Terminology and Medical Ethics. The concepts of ethics, medical asepsis, vital signs, and medical emergencies will be presented. The essentials of patient care to be covered including consideration for the physical and psychological needs of the patient and family and the practitioner's role in the health care system.

*Prerequisite:* ENA/ENC/G101, MAT115, SCB204, SSN187

*Corequisite:* SCX105, SCX110

### **SCX102 Radiologic Technology II**

*3 credits; 3 hours*

This course is designed to impart an understanding of the components, principles and operations of digital imaging systems found in diagnostic radiology. Factors that impart image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluating images within a digital system assist students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented.

*Prerequisite:* SCB204, SCX101, SCX105, SCX109, SCX110

*Corequisite:* SCX106, SCX111, SCX119

### **SCX105 Radiographic Procedures I**

*4 credits; 6 hours (3 lecture, 3 lab)*

This course is designed to provide the knowledge and skills necessary to perform radiographic procedures. This is the first in a series of courses dealing with principle techniques, radiographic anatomy, radiographic procedures and related terminology in the production of images of the chest, abdomen, upper and lower extremities. The production of images of optimal diagnostic qualities is stressed. Laboratory experiences utilizing phantom apparatus are used to complement the classroom portion of the course.

*Prerequisite:* ENC/G101, MAT115, SCB203, SSN187

*Corequisite:* SCB204, SCX101, SCX109, SCX110

### **SCX106 Radiographic Positioning and Procedures II**

*4 credits; 6 hours (3 classroom, 3 lab)*

This course is a continuation of Radiographic Procedures I, with reinforcement of the basic concepts presented in that course. Emphasis is placed on the pelvis girdle, vertebral column, thoracic cavity and cranium studies. The production of images of optimal diagnostic qualities is stressed. Laboratory experiences utilizing model apparatus allows students to apply the concepts acquired in the classroom environment.

*Prerequisite:* SCB204, SCX101, SCX105, SCX109, SCX110

*Corequisite:* SCX102, SCX111, SCX119

### **SCX109 Clinical Practicum I**

*2 credits; 29 hours (1 lecture, 28 lab)*

This course is an introduction to the clinical environment. This is the first primary contact between students and patients. Students are assigned to various work areas in the Radiology Department to observe the operations of the entire department. While working under the close supervision of a licensed radiologic technologist, students will acquire required medical imaging skills, with an emphasis on the chest, abdomen and upper and lower extremity competencies.

*Prerequisite:* SCB204, SCX101, SCX105, SCX110,

### **SCX110 Principles of Radiographic Exposure I**

*3 credits; 3 hours*

This course will provide students with the principles of electromagnetic radiation and its effects upon living tissue. The importance of radiation protection for patients and personnel will be the study of physics and electronic involvement in the production, use, and control of the various electromagnetic energies used in medical and diagnostic applications. This course heightens the student radiographer's awareness of the nature of ionizing radiation and its effect on all biological material.

*Prerequisite:* ENC/G101, MAT115, SCB203, SSN187

*Corequisite:* SCB204, SCX101, SCX105, SCX109

### **SCX111 Principles of Radiographic Exposure II**

*3 credits; 3 hours*

The intent of this course is to establish a knowledge base of factors that govern and influence the production and recording of radiologic images. Film and electronic imaging with related accessories will be emphasized.

*Prerequisite:* SCX110

*Corequisite:* SCX102, SCX106, SCX119

### **SCX119 Clinical Practicum II**

*2 credits; 15 hours (1 lecture, 14 lab)*

Students continue to improve their medical imaging skills while working at the assigned clinical affiliate under the guidance of a registered licensed radiologic technologist. Introduction to the principles of medical imaging of the lower extremities, pelvic girdle, and vertebral column are presented. This is the second of six clinicals.

*Prerequisite:* SCX109

**SCX129 Clinical Practicum III**

2 credits; 35 lab hours

This course is a continuation of the clinical practicums to improve skills in all routine and contrast media imaging procedures. Students are encouraged to assume more responsibilities in the diagnostic imaging process. The didactic information previously presented in Radiographic Procedures I and II are coordinated with assigned rotations at the affiliated clinical sites. Critical thinking skills are enhanced. The weekly seminar will be on blackboard. This is a hybrid course.

*Prerequisite:* SCX119

**SCX201 Radiologic Technology III**

3 credits; 3 hours

This course provides students with an overview of Hospital Administration, including employment issues, labor contracts and litigation processes. Radiation biology and the principles of interaction of radiation with living tissues are discussed. Acute and chronic effects will be discussed. Quality Assurance involves the evaluation of radiographic images along with their delivery systems. State and federal guidelines are included. Equipment Quality Control and its testing are discussed.

*Corequisite:* ENG102, SCX229, SCX240, SCX250

**SCX205 Radiographic Procedures III**

4 credits; 6 hours (3 lecture, 3 lab)

This course focuses on the more advanced positions utilized in medical imaging. Students are introduced to more advanced studies that involve the use of contrast media, pediatric radiography, trauma radiography, and mobile radiography. The basic concepts of pharmacology are also presented. The theory and practice of basic techniques of venipuncture are introduced. Practicum laboratory experiences complement the didactic portion of the course, allowing the student to demonstrate their ability on the phantom patient.

*Prerequisite:* SCX129

*Corequisite:* SCX201, SCX209, SCX245, SCX260

**SCX209 Clinical Practicum IV**

2 credits; 15 hours (1 lecture, 14 lab)

Continuation of the clinical practicum provides an opportunity for students to improve skills in the areas of general diagnostic procedures, contrast media procedures, advanced imaging procedures, and skull imaging at their assigned medical facility. This also serves as an introduction to specialty areas such as Computed Tomography (CT), Magnetic Resonance Imaging (MRI), special procedures, and angiographic procedures. This is the fourth in a series of six clinicals.

*Prerequisite:* SCX129; *Corequisite:* SCX205, SCX245, SCX260, *permission of the Program Director*

**SCX219 Clinical Practicum V**

2 credits; 29 hours (1 lecture, 28 lab)

A continuation of the student's clinical experience. Students will complete all initial and continuous clinical competency evaluations and objectives. All initial and continual competency evaluations are to be completed prior to beginning the final competency evaluations to be completed during the final

clinical rotation.

*Prerequisite:* SCX205, SCX209, SCX245, SCX260

*Corequisite:* *Permission of the Radiologic Technology Program Director*

**SCX229 Clinical Practicum VI**

2 credits; 15 hours (1 lecture, 14 lab)

This final clinical experience provides the student with the opportunity to exercise independent judgment and discretion in the technical performance of medical imaging procedures. Students must complete terminal competency evaluations in ten required categories. Competencies are to be completed on patients when possible.

*Prerequisite:* SCX219

*Corequisite:* ENG102, SCX201, SCX240, SCX250,

*Permission of the Radiologic Technology Program Director is required to register.*

**SCX240 Cross Sectional Anatomy**

1 credits; 1 hours

This course will provide students with the knowledge to identify the anatomical structures of the human body in various axial planes. Instructional aids will include radiographs, CT images, MRI images and anatomical models. In each section of the course, correlations will be drawn among radiographs, CT images, and MRI images.

*Corequisite:* ENG102, SCX201, SCX205, SCX229, SCX250

**SCX245 Pathology and Fracture Radiography**

2 credits; 2 hours

This course is designed to discuss the biological, physical, chemical, and anatomical changes that occur in different disease processes. Also addresses the etiology and pathogenesis of disease states and the physiological changes that accompany altered body states.

*Prerequisite:* SCB204

*Corequisite:* SCX205, SCX209, SCX260

**SCX250 Imaging Modalities**

3 credits; 3 hours

This course is designed to establish a knowledge base in radiologic, fluoroscopic and tomographic equipment requirements and design. The content will also provide a basic knowledge of quality control. Exposure to a variety of more advanced and complex diagnostic procedures and modalities are incorporated. Various recording media and techniques are discussed.

*Prerequisite:* SCX219

*Corequisite:* ENG102, SCX201, SCX229, SCX240

**SCX260 Film Evaluation and Critique**

2 credits; 2 hours

This course enables students to evaluate and critique diagnostic radiographic images and to improve the radiographic quality by understanding radiographic imperfections. Through these evaluations, students will be able to limit their retakes, improve the patient quality of care, and improve the radiographic quality of their films. Student projects, associated film presentations and critiques are also included.

*Prerequisite:* SCX219

*Corequisite:* SCX205, SCX209, SCX245

## Therapeutic Recreation

### HTR100 Introduction to Recreation and Leisure

3 credits; 3 hours

This course examines the definitions of leisure, recreation and play. It provides an overview of the historical and theoretical development of leisure, recreation and play from ancient civilization to modern/contemporary society. The course will explore sociocultural implications of recreation and leisure, the current trends and the relationship between the leisure service field, programs, agencies, organizations, career and professional opportunities.

*Prerequisite:* Math Proficiency

*Prelcorequisite:* ENA/ENG101, SCB203, HSF090 or equivalent

### HTR101 Introduction to Therapeutic Recreation

3 credits; 3 hours

This course is a general orientation to Therapeutic Recreation (TR) and its role in serving the needs of individuals with disabilities. Physical, social and psychological barriers to access, inclusion and normalization will be discussed. The course provides an overview of the TR process, techniques and treatments used to address the physical, mental, social and emotional well being of clients. Students will learn how to adapt recreation programs based on the needs, abilities and interests of clients.

*Prerequisite:* HTR100

*Pre-or Corequisite:* SCB204, SCN195

### HTR102 Professional Issues in Therapeutic Recreation

3 credits; 3 hours

This course will provide an overview of the history of the Therapeutic Recreation (TR) profession, the development of the standards of practice, legal, ethical, professional duties and requirements of the TR professional. Accreditation standards, certification and licensure for the TR profession will be discussed. TR values and principles that establish the ideals and beliefs of the profession are identified. TR models that offer theoretical bases for practice will be explored.

*Prerequisite:* HTR101

*Pre-or Corequisite:* ENG102, SSY230

### HTR200 Therapeutic Recreation in Long Term Care

3 credits; 3 hours

This capstone course will provide an overview of the principles and practices of therapeutic recreation services in long term care settings, with emphasis on the aging population and the role of the therapeutic recreation professional in client assessments. The design of appropriate programs to address the social, emotional, physical and healthcare needs of the elderly and improved quality of life will be explored. Application of programs will be performed through role playing assignments.

*Prerequisite:* ENG102, HTR102

*Pre-or Corequisite:* SSY241, HTR201

*This is a Writing Intensive class*

### HTR201 Therapeutic Recreation Clinical Fieldwork

2 credits; 6 hours (1 lecture, 5 fieldwork hours)

This course introduces students to the duties and responsibilities of a Therapeutic Recreation Assistant within a Long Term Care/ Rehabilitation facility under the on-site supervision of the facility's Therapeutic Recreation Director and the fieldwork instructor. Students, through observation and no direct patient care, will learn a variety of ways to engage patients in activities. The therapeutic value of interventions and the assessment of activity preferences, interests and abilities will be explored.

*Prerequisite:* ENG102, HTR102

*Pre-or Corequisite:* HTR200, SSY241

## Veterinary Technology

### SCV101 Introduction to Veterinary Technology

3 credits; 3 hours

This course offers a comprehensive introduction to veterinary medical terminology and the field of veterinary technology. Subjects covered within the course include breed identification, animal husbandry and care, basic anatomy, nutrition and feeding, genetics, and behavior of domestic animals.

*Prerequisite:* CSE099, ENA/ENG099, MAT096

### SCV151 Shelter Medicine and Management

2 credits; 2 lectures

This course is designed to prepare students to work as veterinary technicians in municipal animal shelters along with associated government agencies. The philosophy and history of such programs, as well as the federal, state and local regulations that govern their operation will be discussed. Students will investigate facets of shelter operation and management including shelter design, sanitation and field services. Animal behavior, animal husbandry, vaccination, infectious and zoonotic disease, spay-neuter and euthanasia protocols will also be highlighted.

*Prerequisites:* SCV101, ENG/ENA/ENC101

### SCV201 Research Animal Technology

4 credits; 6 hours (3 lecture, 3 lab)

This course prepares students to work with rodents, rabbits, and other animals used in research. Laboratory sessions provide hands-on training in restraint, drug administration, sample collection, anesthesia and research techniques. Classroom periods will cover husbandry, diseases, and sanitation, as well as the principles and ethics of animal research. Students will participate in the operation of the College's animal facility.

*Prerequisite:* ENA/ENC/ENG101, MAT106, SCC110, SCV101

**SCV210 Veterinary Nursing I**

4 credits; 6 hours (3 lecture, 3 lab)

This course introduces students to the technical procedures of veterinary practice. The major modules to be covered in lecture sessions are small animal anesthesiology, veterinary nursing and surgical nursing. In the laboratory students will learn basic companion animal handling techniques, perform physical exams, perform diagnostic blood collection and practice canine and feline anesthesia. Students will also prepare patients for aseptic surgery, perform surgical assisting, and learn the principles of cardiopulmonary resuscitation. The course focuses on canine and feline species.

*Prerequisite:* SCV201, SCV231

**SCV211 Veterinary Nursing II**

4 credits; 6 hours (3 lecture, 3 lab)

This course reinforces principles of small animal handling, restraint, husbandry, anesthesia and surgical nursing learned in Veterinary Nursing I (SCV210). Students will use this foundation to practice more advanced skills including advanced anesthetic monitoring, jugular venipuncture and catheterization, urinary catheterization, fluid calculation and administration, veterinary dentistry and bandaging techniques. Students learn theory related to these topics during lecture sessions and demonstrate these skills during laboratory sessions.

*Prerequisite:* SCV210

**SCV212 Veterinary Radiography**

3 credits; 5 hours (2 lecture, 3 lab)

Explore the theory and principles of radiography. The laboratory will provide students with training in the operation and maintenance of the x-ray machine, automatic and manual film processing, animal restraining and positioning, health and safety pre-cautions and radiograph evaluation and storage as they relate to veterinary medicine.

*Prerequisite:* ENA/ENC/ENG101, MAT106, SCB209, SCV201

**SCV213 Veterinary Laboratory Techniques**

3 credits; 5 hours (2 lecture, 3 lab)

This course deals with the examination of blood, urine, and other body substances for diagnostic and prognostic purposes in veterinary practice. Students will learn to perform complete blood counts, blood chemistries, serological tests and urinalysis. Lecture periods will cover the theories on which the tests are based and the relevance of laboratory results in the evaluation of the health of animals.

*Prerequisite:* ENA/ENC/ENG101, MAT106, SCB209, SCV201

**SCV214 Farm Animal Nursing**

3 credits; 5 hours (2 lecture, 3 lab)

In this course, students will study the application of animal health technology to farm animals. Class sessions will cover diseases, government health regulations and programs, emergency care, orphan animal care and relevant farm management procedures. Using various species of animals and types of equipment, students will learn techniques for restraint, administration of medication, sample collection, bandaging, surgical preparation and assistance and positioning for radiology.

*Prerequisite:* SCV201; *This course will be taught off-campus.*

*Students must pay their own travel and room & board expenses.*

**SCV220 Principles of Exotic Animal Medical Care**

2 credits; 2 hours

This course introduces the student to the comparative anatomy, physiology, and medical care of exotic animals. Anesthesia, blood collection, radiography laboratory testing and treatment methods of birds, reptiles, amphibians, fish, marine mammals, hoofstock, primates, small mammals and carnivores will be discussed as they apply to the work of veterinary technicians in private practice, zoos, aquariums, wildlife rehabilitation and research.

*Prerequisite:* ENA/ENC/ENG101, MAT106, SCC110, SCV201

**SCV231 Part-Time Research Internship**

2 credits (1 classroom hour, 22 clinical hours)

This internship provides students with an experience based learning opportunity to explore or confirm career interests and plans. The students will apply classroom learning to real work situations and strengthen interpersonal and technical skills. The internship is accompanied by a concurrent seminar which provides a framework for analyzing and evaluating students' internship experience.

*Prerequisite:* SCV211, SCV212, SCV213

**SCV234 Full-Time Clinical Internship**

2 credits (1 classroom hour, 21 clinical hours)

This veterinary technology internship (250h) provides students with an experience-based learning opportunity in a small animal veterinary practice setting. The internship aims to apply classroom learning to real-work situations and strengthen professional and technical skills. This internship is accompanied by a concurrent seminar that provides a framework for evaluating and analyzing the student's internship experience and the profession.

*Prerequisite:* SCV211

**SCV247 Veterinary Pathophysiology**

2 credits; 2 hours

This course is designed to integrate information from veterinary anatomy, physiology, histology and pathology. The purpose is to relate the normal physiology of the animal to the consequences of abnormal physiology, and discuss what effect this would have on tissues and organs in the body. The main focus will be on companion animals, but other domestic and exotic animals will be discussed.

*Prerequisite:* ENA/ENC/ENG101, MAT106, SCB209, SCV201

**SCV262 Veterinary Pharmacology and Toxicology**

3 credits; 3 hours

This course provides an overview of the main concepts of veterinary pharmacology and toxicology as they relate to clinical practice. The course discusses general concepts of pharmacodynamics and pharmacokinetics expanding into the major categories of veterinary drugs and common toxins in domestic species. The specifics of commonly used veterinary therapeutics will be reviewed in detail.

*Prerequisite:* SCV210