ATHLETIC TRAINING EDUCATION COURSES (AT)

1101 Orientation to Athletic Training Education (1-1)
Acquaints the Pre-Athletic Training Education student with the six cognitive domains of athletic training education and the athletic training education competencies. F

2201 Clinical Experiences in Athletic Training (1-3)
Acquaints the entry-level athletic trainer with athletic training educational competencies in the clinical proficiencies in Athletic Emergency Plan (EAP), CPR, basic life support techniques, use of crutches and canes, use immobilizing devices, universal precautions, OSHA guidelines, wound care, vital signs and the knowledge of hospital and clinical settings. Prerequisite: acceptance into ATEP (first year status). F

2202 Clinical Experiences in Athletic Training (1-3)
Acquaints the entry-level athletic trainer with athletic training educational competencies with the clinical proficiencies in anthropometric measurement, appropriate examinations, screening procedures, environmental conditions, record keeping, prevention and protective taping and bracing and the standard operations and procedures of an athletic training room. Prerequisites: AT 3395, L395, L396, L397, AT 2201 (first year status). Sp

3301 Clinical Experiences in Athletic Training (1-3)
Acquaints the entry-level athletic trainer with athletic training education competencies in the clinical proficiencies as they relate to the use of therapeutic modalities. Corequisite: AT 4447, (second year status). F

3302 Clinical Experiences in Athletic Training (1-3)
Acquaints the entry-level athletic trainer with athletic training education competencies in the clinical proficiencies as they relate to the use of therapeutic exercise. Prerequisites: AT 4447, 3301. Corequisite: AT 4448, (second year status).

3360 Principles of Drug Therapy for Athletic Trainers (2-2)
Acquaints the entry-level athletic trainer with the therapeutic medications and the governing regulations most often used in the treatment of injuries and illnesses of athletes and the physically active population. Prerequisites: CHM 1142, L142, BIO 3347, L347, 3348, L348; senior status. F

3395 Care and Prevention of Athletic Injuries and Illnesses I (3-3)
Acquaints the entry-level athletic trainer with athletic training educational competencies related to risk management, injury prevention, assessment and evaluation, psychosocial intervention and referral and health care administration. Prerequisite: acceptance into ATEP (first year status). F

L395 Care and Prevention of Athletic Injuries and Illnesses I Clinical Experiences (1-1)
Acquaints the entry-level athletic trainer with athletic training educational competencies in the clinical proficiencies, risk management, injury prevention, assessment and evaluation, psychosocial intervention and referral and health care administration. Prerequisite: acceptance into ATEP (first year status). F

3396 Evaluation of Athletic Injuries and Illnesses I (3-3)
Acquaints the entry-level athletic trainer with athletic training educational competencies as they relate to acute care of injuries and illnesses to the lower extremity of the human body. Prerequisite: acceptance into ATEP (first year status). F

L396 Evaluation of Athletic Injuries and Illnesses I Clinical Experiences (1-1)
Acquaints the entry-level athletic trainer with athletic training educational competencies in the clinical proficiencies injury prevention, assessment and evaluation, acute care of injuries and illnesses as they relate to the lower extremity. Corequisite: AT 3396 (first year status). F

3397 Evaluation of Athletic Injuries and Illnesses II (3-3)
Acquaints the entry-level athletic trainer with athletic training educational competencies as they relate to injury prevention, assessment and evaluation, acute care of injuries and illnesses to the upper extremity. Prerequisites: AT 3396, L396. Corequisite: AT 3397 (first year status). Sp

L397 Evaluation of Athletic Injuries and Illnesses II Clinical Experiences (1-1)
Acquaints the entry-level athletic trainer with the knowledge of athletic training educational competencies in the clinical proficiencies injury prevention, assessment and evaluation, acute care of injuries and illnesses to the upper extremity. Prerequisites: AT 3396, L396. Corequisite: AT 3397 (first year status). Sp

4447 Therapeutic Modalities (2-2)
Acquaints the entry-level athletic trainer with athletic training educational competencies as they relate to the use of therapeutic modalities. Prerequisites: AT 3397, L397 (second year status). F

4448 Therapeutic Exercises (2-2)
Acquaints the entry-level athletic trainer with the knowledge of the athletic training educational competencies as they relate to the use of therapeutic exercises. Prerequisites: AT 3301, 4447 (second year status). Sp

4401 Clinical Experiences in Athletic Training (2-3)
Acquaints the entry-level athletic trainer with athletic training educational competencies in the clinical proficiencies as they relate to pharmaceutical products, poison control services, administration bronchodilators and epinephrine and demonstrate the ability to recognize the signs, symptoms and predisposing conditions associated with general medical diseases and conditions. Corequisite: AT 3349 (third year status). F

4402 Clinical Experiences in Athletic Training (2-3)
Acquaints the entry-level athletic trainer with the knowledge athletic training educational competencies in the clinical proficiencies as they relate to nutrition, preparation of scientific research, disseminate injury prevention, healthcare information, and professional development. Prerequisite: AT 4401. Sp
**HUMAN SERVICES COURSES (HS)**

2230 **Survey of Human Services (3)**
A survey of the major human service delivery systems to include historical development, populations served, professional roles, and interrelationships between targeted social problems and services delivered. Introduction to the ecological/systems perspective as a tool for understanding these relationships. Includes observations and field trips. F, Sp, Su

2231 **Peer Education-Drug Abuse Prevention (2)**
Introduction to peer education as a preventive procedure in working with campus drug and alcohol abuse. Techniques of peer teaching and peer counseling. F, Sp

2232 **Peer Education Practicum (1)**
Supervised experience in the Campus Peer Education - Drug Abuse Prevention Program. Prerequisite: HS 2231 (May be repeated for a total of three hours credit). F, Sp

3370 **Professional Communication Skills (3)**
Principles and techniques of interviewing for human services professionals. Major emphasis is the building of empathic skills. F, Sp, Su

3390 **Introduction to Manual Communication (3)**
Students will learn basic signing techniques. This course is open to all students. Persons interested in learning manual communication who do not intend to complete an undergraduate degree are encouraged to audit or to enroll as special students. F

3391 **Intermediate Manual Communication (3)**
Students will build upon the skills learned in HS 3390 and will begin to develop conversational styles of manual communication. Prerequisite: HS 3390. Sp

3392 **Advanced Manual Communication (3)**
Students will learn an advanced conversational style of manual communication and will become proficient in advanced communication with the hearing impaired. Prerequisite: HS 3391. F

3393 **Orientation to the Hearing Impaired (3)**
This course will provide an understanding of the medical, psychological, social, educational and vocational issues that professionals must understand to work effectively with persons who are hearing impaired. Sp

4400-4410-4420 **Human Service Field Experience I (3), II (3) & III (3)**
Provides experiences in a variety of social and rehabilitation settings with an emphasis on the multiple nature of human problems and the impact these problems have on the disabled and disadvantaged. Includes a weekly seminar plus a minimum of 40 clock hours per semester hour spent in a particular agency setting. Prerequisites: Senior level, HS 2230 & HS 3370 or permission of instructor. The field site must be approved by the program director by mid-term of the semester prior to the field experience. F, Sp, Su

4491-4492 **Guided Independent Research (1 to 3 credit hours per course per semester)**
Additional information is indexed under “Guided Independent Research and Study.” On demand

4493-4494 **Guided Independent Study (1 to 3 credit hours per course per semester)**
Additional information is indexed under “Guided Independent Research and Study.” On demand

4498 **Honors-Independent Study (1 to 3 credit hours per course per semester)**
Advanced research and study for outstanding students in their major field. Culminates in a report to a departmental committee which includes invited faculty members in related fields. Prerequisite: Senior level, 3.5 overall average permission of guiding professor and approval of department chair and dean. NOTE: A written request must be submitted to the department chair at least six weeks in advance of the term the research is to be undertaken. On Demand

**NURSING COURSES (NSG)**

(ASN Program)

1110 **Foundations of Adult Health Transition Practicum (2-4)**
Reviews the concept of human-environment interaction throughout the life span. Focuses on the role of the registered nurse in the application of the nursing process to assist individuals in adapting to common and altered health states. Prerequisites: Admission to Advanced Placement for LPNs; NSG 1135, 1151, MTH 1112, BIO 3347, L347, 3348, L348, ENG 1101, PSY 3300, 2200, TSU 1101, and NSG 2213. Corequisite: NSG 1140. F, Sp

1130 **Basic Nursing Concepts I (1-1)**
Introduces the concept of human-environment interaction throughout the life span. Includes history of nursing and concepts of health care delivery. Requires basic understanding of medical terminology. Prerequisites: ENG 1101, MTH 1112, PSY 2200, BIO 3347, L347. Corequisite: NSG 1131. F, Sp

1131 **Basic Nursing Practicum I (3-6)**
Introduces the nursing process as a systematic approach to health promotion and maintenance. Focuses on the role of the registered nurse in the application of basic concepts, skills, and techniques in simulated and reality settings. Prerequisites: ENG 1101, MTH 1112, PSY 2200, BIO 3347, L347. Corequisite: NSG 1130. F, Sp
1135 **Health Assessment Practicum (1-2)**  
Focuses on the assessment phase of the nursing process as a means of collecting data for use by the registered nurse. Accentuates gathering of knowledge and skills required to perform health assessments of patients through the life span. Provides opportunities for students to develop health assessment skills by performing health assessments of essentially well individuals at various levels through the life span. Includes communication of findings. **Prerequisites:** ENG 1101, BIO 3347, L347, MTH 1112, PSY 2200. F, Sp

1140 **Basic Nursing Concepts II (3-3)**  
Builds on the concept of human-environment interaction throughout the life span. Focuses on the use of the nursing process to explore adaptive strategies of individuals to common and altered health states. **Prerequisites:** NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300, and TSU 1101. **Corequisites:** NSG 1141 or 1110. F, Sp

1141 **Basic Nursing Practicum II (3-6)**  
Focuses on the role of the registered nurse in application of the nursing process to assist individuals in adapting to common and altered health states. **Prerequisites:** NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300 and TSU 1101. **Corequisites:** NSG 1140. F, Sp

1151 **Hospital Measurements (1-1)**  
A practical approach to using mathematical computations in health-related situations. Focuses on mathematics computations as applied in selected health care settings. Mastery of the use of different systems of measurement will be a priority. Includes an exam on computations of dosages and solutions, requiring completion with 85% accuracy. **Prerequisites:** ENG 1101, MTH 1112, PSY 2200, BIO 3347, L347. F, Sp

2202 **Pharmacology (2-2)**  
Focuses on the general classification of drugs, pharmacological actions, clinical usage, methods of administration, usual dosage, side effects, contraindications, toxic reactions, and related nursing implications. **Prerequisites:** NSG 1140; 1141 or 1110; and BIO 3372, L372. F, Sp

2213 **Nutrition (2-2)**  
Introduces the concept of nutrition and its importance to health throughout the life span. Focuses on the study of the nutrients, nutritional assessment, nutrient-drug interactions and food safety. Considers dietary patterns of various cultural, ethnic and religious groups. F, Sp

2253 **Maternal-Child Nursing (3-3)**  
Focuses on the use of the nursing process in assisting the family during childbearing and childrearing experiences. Explores adaptive strategies for individuals experiencing complications in childbearing as well as children experiencing alteration in growth and development and health states. **Prerequisites:** NSG 1140, 1141 or 1110, 2271, 2272, BIO 3372, L372, **Corequisites:** NSG 2256, 2266. F, Sp

2256 **Maternal-Infant Nursing Practicum (2-4)**  
Focuses on the role of the registered nurse in the application of the nursing process to assist individuals and families to use adaptive strategies during childbearing. Utilizes antepartal, intrapartal, postpartal, neonatal, and community settings. Includes a basic IV therapy component. **Prerequisites:** NSG 1140, 1141 or 1110, 2271, 2272, BIO 3372, L372. **Corequisites:** NSG 2253. F, Sp

2266 **Nursing of Children Practicum (2-4)**  
Focuses on the role of the registered nurse in the application of the nursing process to assist children and their families to use adaptive strategies during childrearing. Applies concepts of growth and development in the care of children with altered health states including multiple disabilities. **Prerequisites:** NSG 1140, 1141 or 1110, 2271, 2272, BIO 3372, L372. **Corequisite:** NSG 2253. F, Sp

2271 **Psychosocial Nursing Concepts (2-2)**  
Focuses on the role of the registered nurse in promoting the adaptation of individuals and families experiencing biopsychosocial stressors. **Prerequisites:** NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300, TSU 1101. **Corequisites:** NSG 2272. F, Sp

2272 **Psychosocial Nursing Practicum (2-4)**  
Focuses on the role of the registered nurse in the application of the nursing process in the care of individuals and families experiencing biopsychosocial stressors. **Prerequisites:** NSG 1130, 1131, 1135, 1151, 2213, BIO 3348, L348, PSY 3300, TSU 1101. **Corequisites:** NSG 2271. F, Sp

2280 **Advanced Nursing Concepts (4-4)**  
Provides advanced knowledge for care of individuals and families in adult developmental stages. Focuses on the role of the nurse in assisting the client to adapt to complex, multisystem stressors within the environment. **Prerequisites:** NSG 2202, NSG 2253, 2256, 2266, 2282, 2283. **Corequisites:** NSG 2281. F, Sp

2281 **Advanced Nursing Practicum (6-12)**  
Provides opportunity to implement the nursing process to assist adult individuals and families with complex multi-system stressors. Emphasizes prevention and intervention in complex and life-threatening situations. Facilitates transition into the professional nursing role by examining legal, ethical, political, economic, and sociocultural issues in nursing. Provides opportunity to refine nursing skills and develop more in-depth knowledge in a selected clinical area under the guidance of an approved professional nurse. **Prerequisites:** NSG 2202, 2253, 2256, 2266, 2282, 2283. **Corequisites:** NSG 2280. F, Sp

2282 **Gerontological Nursing Concepts (2-2)**  
Focuses on the adaptive responses of older adults with multisystem stressors within the human-environment interactive system. Emphasizes the interrelatedness of internal and external dimensions. Discusses the use of nursing process to maintain or improve quality of life for older adults. **Prerequisites:** NSG 1140, NSG 1141 or 1110, NSG 2271, NSG 2272, BIO 3372, L372. **Corequisite:** NSG 2283. F, Sp

2283 **Gerontological Nursing Practicum (2-4)**  
Focuses on the role of the registered nurse in the appli-
cution of the nursing process to assist older adults with multisystem stressors in a variety of settings. Prerequisites: NSG 1140, NSG 1141 or 1110, NSG 2271, NSG 2272, BIO 3372, L372. Corequisite: NSG 2282. F, Sp

### (BSN PROGRAM)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>2201</td>
<td>Dosage Calculations (1-1)</td>
<td>Calculations of medication dosages including conversions from one measuring system to another, symbols used in medication administration, and arithmetic computations. Prerequisite: Admission to BSN Program or permission of Instructor. F, Sp</td>
</tr>
<tr>
<td>2204</td>
<td>Nutrition (2-2)</td>
<td>A study of the nutrients, their utilization in the body, and their importance in the health of individuals throughout the life cycle. Examines dietary patterns of various cultural, ethnic, and religious groups. Explores food safety and nutrition research. Open to all majors. F, Sp, Su</td>
</tr>
<tr>
<td>2205</td>
<td>Human Growth &amp; Development (3-3)</td>
<td>Examines developmental theories and internal and external dimensions of growth and development. Emphasizes tasks, stressors, common health alterations, and anticipatory guidance specific to developmental stages throughout the life span. Open to all majors.</td>
</tr>
<tr>
<td>2211</td>
<td>Basic Nutrition (3-3)</td>
<td>Explores the relationship between nutrition and health. Emphasizes the roles of nutrients, their utilization in the human system and their contributions to the health of individuals throughout the life span. Includes dietary patterns of various cultural, ethnic, and religious groups, nutritional assessments and food safety. Open to all majors. F, Sp</td>
</tr>
<tr>
<td>2220</td>
<td>Health Science Informatics (3)</td>
<td>Provides a foundation for the study of information and its utilization through computer technology; encompasses access, dissemination, and management of health science information and Internet communication. General topics include communication through electronic mail, using the World Wide Web as an information tool, online scholarly research, and digital presentations and publishing. Course focus is the application of technology skills in health science fields. Open to all majors. Prerequisite: Sophomore Standing, F, Sp</td>
</tr>
<tr>
<td>2285</td>
<td>Perspectives of Aging (2-2)</td>
<td>Provides a psychological, physiological and sociological knowledge base for interacting with the aging client. Identifies senescence and alterations associated with the aging process. Examines the role of the older person within the human environment interactive system. Open to all majors.</td>
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<tr>
<td>33XX</td>
<td>Ethics in Nursing (3)</td>
<td>A discussion of traditional ethical theories, principles and meta-ethical concerns will provide the necessary background required to explore a variety of controversial issues such as euthanasia, abortion, and the new reproductive technologies. Objective and critical reflection about the issues will be developed into active discussions by the students. Prerequisite: Permission of instructor.</td>
</tr>
<tr>
<td>33XX</td>
<td>Spanish for Healthcare Providers (2)</td>
<td>Elementary-level instruction in Spanish language and culture, all oriented to the practice of medicine with Spanish-speaking patients. No prior knowledge of Spanish is required. Students develop basic listening, speaking, reading and writing skills to successfully perform linguistic tasks allowing them to communicate in everyday situations (e.g. greeting, narrating present and past events, describing, ordering, comparing and contrasting). Prerequisite: Permission of instructor.</td>
</tr>
<tr>
<td>33XX</td>
<td>Pharmacology (2-2)</td>
<td>Acquaints the student with the historical aspects of pharmacology, pharmacological terms, standards and controls, characteristics of various drug classifications, related nursing implications and the application of the nursing process to the pharmacological needs of the client. Open to all majors. Prerequisites: CHM 1142, L142, BIO 3347, L347, 3348, and L348. F, Sp</td>
</tr>
<tr>
<td>3301</td>
<td>Essentials of Operating Room (OR) Nursing (1-1)</td>
<td>Focuses on the functions of the registered nurse in the peri-operative setting. Prerequisites: NSG 3325, 3326</td>
</tr>
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</table>
3303 Essentials of Operating Room (OR) Nursing Practicum (1-2)
Focusses on clinical experience for preparation for the role of the registered nurse for meeting the emergency preventive and restorative health needs of patients in hospital operating rooms and outpatient surgery centers. **Prerequisites:** NSG 3325, 3326

3309 Health Assessment (2-2)
Focuses on the assessment phase of the nursing process as a means of collecting data for use in making nursing decisions. Emphasizes acquisition of knowledge and skills required to perform health assessments of individuals at various stages of life span development and to communicate health assessment data. Includes assessment of internal and external dimensions of individual health states. **Prerequisites:** ENG 1101, 1102, BIO 3347, L347, 3348, and L348. **Corequisite:** NSG 3310 (unless exempt because of ASN substitution credit). F, Sp, Su

3310 Health Assessment Practicum (1-2)
Provides opportunities for students to practice health assessments skills by performing health assessments of essentially well individuals at various stages of life span development. Includes analysis and communication of findings. **Prerequisites:** ENG 1101, 1102, BIO 3347, L347, 3348, and L348. **Corequisite:** NSG 3309. F, Sp, Su

3313 Nursing Concepts I (3)
Explores the relationship between life span development and adaptive responses in the human-environment interactive system. Examines the biological, psychological, and sociocultural dimensions of assisting individuals to meet basic health needs and introduces the concept of illness as an altered health state. Emphasizes the nursing process and the role of the nurse in diagnosing and treating human responses to health promotion needs and common health alterations across the life span. **Prerequisite:** Admission to BSN Program. **Corequisite:** NSG 3314. F, Sp

3314 Nursing Concepts I Practicum (3)
Provides clinical learning opportunities for students to incorporate biological, psychological, and sociocultural dimensions into the care of individuals who require assistance in meeting basic health needs and into the diagnosing and treatment of human responses to common health alterations across the life span. Focuses on human-environment interaction and emphasizes the use of the nursing process as a systematic approach to health promotion and the provision of illness and restorative care. **Prerequisite:** Admission to BSN Program. **Corequisite:** NSG 3313. F, Sp

3315 Pathophysiology (3-3)
Explores the relationship between normal and altered physiology in human systems. Examines physiologic adaptive processes to internal and external environmental stressors. Emphasizes pathophysiologic manifestations of altered states of health. **Prerequisites:** BIO 3347, L347, 3348, and L348. Open to all majors. F, Sp

3323 Maternal-Infant Health Nursing (3)
Provides a knowledge base for care of childbearing families. Examines the childbearing family as a part of the human environment interactive system. Emphasizes the nurse’s role in facilitating adaptive responses of the childbearing family during the antepartal, intrapartal and postpartal periods. **Prerequisites:** Successful completion of all nursing courses in Semesters I and II of BSN clinical nursing sequence. **Corequisite:** NSG 3324. F, Sp

3324 Maternal-Infant Health Nursing Practicum (3)
Provides clinical learning opportunities for students to provide nursing care for childbearing families. Emphasizes use of the nursing process as systematic approach to facilitate adaptive responses of the childbearing family during the antepartal, intrapartal and postpartal periods. **Prerequisites:** Successful completion of all nursing courses in Semesters I and II of BSN clinical nursing sequence. **Corequisite:** NSG 3323. F, Sp

3326 Nursing Concepts II Practicum (3)
Provides clinical learning opportunities for student to diagnose and treat human responses (biological, psychological, and sociocultural) to common health alterations across the life span. **Prerequisites:** Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. **Corequisite:** NSG 3326. F, Sp

3332 Child Health Nursing (3)
Provides theoretical foundation for the nursing care of children. Examines the relationship between growth and development and the adaptive responses of children within the human-environment interactive system. Emphasizes the nurse’s role in health promotion and maintenance, illness and restorative care for children of various ages. **Prerequisites:** Successful completion of all nursing courses in Semesters I and II of BSN clinical nursing sequence. **Corequisite:** NSG 3333. F, Sp

3333 Child Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to provide illness and restorative care for children experiencing alterations in health states. Emphasizes use of the nursing process in facilitating human adaptive responses to child health alterations. **Prerequisites:** Successful completion of all nursing courses in Semesters I and II of BSN clinical nursing sequence. **Corequisite:** NSG 3332. F, Sp

3344 Psychiatric-Mental Health Nursing (2)
Explores mental illness as an altered response to internal and external environmental dimensions. Examines selected theories of mental health and illness for use in nursing practice. Emphasizes the nursing process as a systematic approach to facilitating human adaptive responses to mental health alterations across the life span. **Prerequisites:** Successful completion of all nursing...
3335 Psychiatric-Mental Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to provide illness and restorative care for individuals experiencing alterations in mental health states. Emphasizes use of the nursing process in facilitating human adaptive responses to mental health alterations. Prerequisites: Successful completion of all nursing courses in Semester I of BSN clinical nursing sequence. Corequisite: NSG 3334. F, Sp

3337 Adult Health Nursing Practicum (2-4)
Provides clinical learning opportunities for students to diagnose and treat human responses (biological, psychological, and sociocultural) to common health alterations across the lifespan. Prerequisite: Successful completion of all nursing courses in Semesters I and II of the BSN clinical nursing sequence. Corequisite: NSG 3337. F, Sp

3336 Adult Health Nursing (3-3)
Continues to explore the relationship between life span development and adaptive responses in the human environment interactive system. Continues to explore the concept of illness as an altered health state for the adult. Emphasizes the nurse’s role in diagnosing and treating human responses (biological, psychological, and sociocultural) to common health alterations across the lifespan. Prerequisite: Successful completion of all nursing courses in Semesters I and II of the BSN clinical nursing sequence. Corequisite: NSG 3336. F, Sp

3350 Case Management in Healthcare (2-2)
This course provides students with a beginning understanding of theoretical and practical information about case management. In addition, the course familiarizes the students with the roles of the case manager in the evolving health care climate of today. Open to all juniors and seniors in the College of Health and Human Services.

3370 Professional Nursing (2-2)
Provides Registered Nurse students the opportunity to explore the principles, values, standards, internal and external dimensions impacting the profession of nursing. Examines past, present, and emerging roles of the professional nurse. Examines theoretical foundations for implementation of the leadership/management role of the professional nurse. Prerequisite: Current Registered Nurse license in Alabama and admission to the BSN Program. F.

4405 Public Health Nursing (3)
Provides theoretical foundation for public health nursing practice. Explores the reciprocal relationship between environmental dimensions and public health. Emphasizes the nurse’s role in the delivery of public health nursing care as well as community-based nursing care. Prerequisites: All 3000 level nursing courses. Corequisite: NSG 4406.

4406 Community Health Nursing Practicum (3-6)
Provides clinical learning opportunities for students to manage the nursing care of individuals, families, groups, and communities. Emphasizes use of the nursing process in promoting and maintaining health of individuals, families, and communities. Prerequisites: Successful completion of all nursing in Semesters I and II of BSN clinical nursing sequence. Corequisite: NSG 4405. F, Sp

4407 Clinical Nutrition (1-1)
A study of clinical nutrition applied to real-life situations with the focus on the human as a unique system affected by economic, ethnic, psychological and physiological stimuli. Prerequisite: Admission to the BSN clinical nursing sequence. F, Sp

4413 Nursing Concepts III (3-3)
Examines individual and group responses to complex, multisystem stressors within the human-environment interactive system. Explores complex multisystem stress as crisis. Emphasizes the nurse’s role in diagnosing and treating individual and group responses to complex, multisystem stressors across the life span. Prerequisites: Successful completion of all nursing courses in Semesters I, II, and III of the BSN clinical nursing sequence. Corequisite: NSG 4413. F, Sp

4414 Nursing Concepts III Practicum (2-4)
Provides clinical learning opportunities for students to examine individual and group responses to complex, multisystem stressors, within the human-environment interactive system. Emphasizes use of the nursing process in diagnosing and treating individual and group responses to complex, multisystem stressors across the life span. Prerequisites: Successful completion of all nursing courses in Semesters I and II of the BSN clinical nursing sequence, NSG 3323, 3324, 3332, 3333. Corequisite: NSG 4414. F, Sp

4415 Nursing Leadership/Management (2-2)
Provides the theoretical foundation for implementation of the leadership/management role of the professional nurse. Explores leadership/management theories and principles and the nature of organizations. Emphasizes strategies for utilizing leadership/management skills in various dimensions of the human-environment interactive system. Prerequisites: Successful completion of all 3300 level nursing courses. F.

4417 Senior Seminar (1-1)
Explores past, present, and emerging roles of professional nurses and examines internal and external dimensions affecting the nursing profession. Prerequisites: Successful completion of all nursing courses in Semesters I, II, and III of the BSN clinical nursing sequence. F, Sp

4419 Research Process in Nursing (2-2)
Explores the steps in the research process and the legal and ethical considerations in the conduct of nursing research. Examines variation in research designs, types of measurement tools, validity, and reliability. The course concludes with application of existing research to nursing practice. Prerequisite: Successful completion of all nursing courses in Semesters I, and II of the BSN clinical nursing sequence. F, Sp

4421 Senior Clinical Preceptorship (3-9)
Facilitates transition into the nurse generalist role by providing opportunities for students to refine nursing practice and leadership/management skills and develop more in-depth knowledge in a selected clinical area under the guidance of an approved preceptor. Prerequisites: Successful completion of all nursing courses in Semesters I, II, and III of the BSN clinical nursing sequence. F, Sp

4430 Advanced Nursing Preceptorship (3-3)
Provides clinical learning opportunities for students to examine individual and group responses to complex, multi-system disease processes. Emphasizes diagnosing and treating individuals and groups in a variety of settings. Prerequisites: Successful completion of NSG 3370, NSG 3309, NSG 3310, NSG 4405, 4406, and 4407. Corequisite: NSG 4431. Sp.

4431 Advanced Nursing Theory (2-6)
Examines individuals and group responses to complex, multi-system stressors within the human environment. Explores complex multi-system processes. Emphasizes the nurses role in diagnosing and treating individuals and groups in complex, multi-system stressors in acute care environments. Prerequisites: Successful completion of NSG 3370, NSG 3309, NSG 3310, NSG 4405, NSG 4406, and NSG 4407. Corequisite: NSG 4430. Sp.

4493-4494 Guided Independent Study (1-3)
Additional information is indexed under “Academic Regulations.” Prerequisite: Permission of Instructor. F, Sp, Su

PHYSICAL EDUCATION ACTIVITY COURSES

1101 Badminton (1)
Physical education activity course.

1104 Golf (1)
Physical education activity course.

1107 Swimming (1)
Physical education activity course.

1108 Tennis (1)
Physical education activity course.

1109 Intermediate Swimming (1)
Physical education activity course.

1110 Paddle Tennis (1)
Physical education activity course.

1111 Archery (1)
Physical education activity course.

1112 Advanced Swimming (1)
Physical education activity course.

1122 Water Aerobics (1)
Physical education activity course.

1123 Synchronized Swimming (1)
Physical education activity course.

1130 Social Contemporary Dance (1)
Physical education activity course.

1131 Folk Dance I (1)
Physical education activity course.

1133 Square Dance (1)
Physical education activity course.

1134 Ballroom Dance (1)
Physical education activity course.

1135 Ballet I (1)
Physical education activity course.

1136 Jazz Techniques I (1)
Physical education activity course.

1137 Tap Dance (1)
Physical education activity course.

1138 Clog Dance Techniques I (1)
Physical education activity course.

1139 Aerobic Dance I (1)
Physical education activity course.

1141 Jogging (1)
Physical education activity course.

1142 Weight Training (1)
Physical education activity course.

1144 Step Aerobics (1)
Physical education activity course.

1146 Physical Defense for Women (1)
Physical education activity course.

2200 Health Concepts (1-1)
A study of health concepts that characterizes a process in the life cycle that is typical of every individual.

2201 Camping and Outdoor Education (1-1)
Camping and leadership and program planning.

2202 First Aid and Safety and CPRO (2-2)
Community first aid and safety instruction and CPRO for the professional following American Red Cross techniques.
2204 Intermediate Golf (1)  
Physical education activity course.

2208 Intermediate Tennis (1)  
Physical education activity course.

2223 Advanced Synchronized Swimming (1)  
Physical education activity course.

2230 Rhythmic Activities for Special Populations (1)  
Physical education activity course.

2231 Folk Dance II (1)  
Physical education activity course.

2232 Modern Dance Techniques II (1)  
Physical education activity course.

2235 Ballet II (1)  
Physical education activity course.

2236 Jazz Techniques II (1)  
Physical education activity course.

2238 Clog Dance Techniques II (1)  
Physical education activity course.

2239 Aerobic Dance II (1)  
Physical education activity course.

2240 Personal Health (2-2)  
Personal health as it applied to practices, knowledge and behavior.

2241 Intermediate Jogging (1)  
Physical education activity course.

2242 Intermediate Weight Training (1)  
Physical education activity course.

2250 Foundations of Health Science (1-1)  
A study of the historical, philosophical and theoretical foundations of health education and health promotion, including the current status and projected trends in health education and promotion. F, Sp

2251 Foundations of Physical Education and SFM (2-2)  
A study of the history and principles of health education and physical education with particular emphasis placed on present practices and trends.

2252 Methods of Teaching Dance (2-2)  
Social, folk and square dancing, including basic rhythmic activities which can be taught in elementary, middle and high schools.

2260 Applied Fitness Concepts (2-2)  
Personal conditioning-based course focusing on training principles, modes of exercise, training tools, performance enhancers, measurement concepts and exercise prescription.

2263 Lifeguard Training (3-3)  
Organization and teaching of the fundamental skills for water safety and the prevention of drowning. Prerequisites: Advanced swimming or permission of instructor.

3230 Physical Skills Proficiency (2-2)  
This course covers the rules, regulations, terms, origin, development, safety, equipment, and performance of skills of the physical sport skills related to HPR 4485/4486.

3231 Physical Skills Proficiency II (2-2)  
Traces the historical development of fitness, conditioning, and wellness concepts for life. Identifies rules, regulations, and terminology of specified sport activities. Students are expected to perform specified skill tests in golf, soccer, swimming, tennis, and track and field with a proficiency level of 80%.

3330 Principles of Recreation (3-3)  
Overview of recreation on federal, state and local levels with respect to history, program, population, facilities and trends.

3331 Modern Dance Techniques III (1)  
Physical education activity course.

3332 Principles of Recreation (3-3)  
Overview of recreation on federal, state and local levels with respect to history, program, population, facilities and trends.

3333 Modern Dance Techniques III (1)  
Physical education activity course.

3340 Principles of Recreation (3-3)  
Overview of recreation on federal, state and local levels with respect to history, program, population, facilities and trends.

3350 Psychology of Wellness and Performance (3-3)  
Theory and practical application of psychological factors that impact wellness and performance of individuals and groups.

3352 Kinesiology and Efficiency of Human Movement (3-3)  
General anatomy, joint and muscle function and analysis of body movements. Prerequisites: HPR 3360 or BIO 3347 & 3348

3355 Introduction to Sport and Fitness Management (2-2)  
This course is an introductory course for students who wish to enter the professional field of sport and/or fitness management. Students will be exposed to a variety of subjects related to sport and fitness management.

3360 Physiological Principles of Body Systems (3-3)  
Course will examine the structure, function and control mechanisms of the following body systems: Musculoskeletal, Nervous, Endocrine, Cardiovascular, and Respiratory. Metabolism, Temperature Regulation and Fluid, Electrolyte & Acid Base Balance will also be discussed. Prerequisites: BIO 1100, CHM 1142 & L142.

3361 Integrating HPER into the Curriculum (3)  
Methods and materials of teaching physical education for grades N-9. Prerequisite: Junior or above.

3363 Lifeguard Training Instructor (3-3)  
Review of all physical skills included in lifeguard training. Course will consist of theory and techniques of...
organizing and conducting the lifeguard training instructor course. Prerequisite: HPR 2263.

3368 Water Safety Instructor (WSI) (2-2)
Organization and teaching swimming and water safety programs. Prerequisite: Swimming Certificate.

3369 Scuba (2-4)
Basic techniques of scuba diving. Prerequisite: Permission of the instructor. In addition to lab fee, a student is required to purchase mask, fins, snorkel, weight belt and weights. Students are also required to make two trips for final certification. The student will be responsible for the cost of transportation, food and lodging during the two trips.

3391 Testing and Statistical Interpretation (3-3)
Test selection, analyzing test scores and measurement as a technique of evaluation in evaluation in health education and physical education. Prerequisite: junior or above.

3392 Water Safety Instructor for the Handicapped (1-1)
Organization and methods of teaching swimming to adapted students. Prerequisite: A current valid WSI Certificate (Swimming Instructor Certificate).

3395 Care and Prevention of Athletic Injury (2-2)
The study of basic care and prevention, evaluation, management and rehabilitation of athletic injuries. Prerequisites: BIO 3347, L347, 3348, L348. F, Sp.

4400 Sports Officiating and Programs in Intramurals (3-3)
School and community recreation programs including sports, games and officiating techniques.

4410 Motor Development (2-2)
An analysis of the ways in which children develop movement capabilities. Prerequisite: Junior. or above.

4420 Community Health (3-3)
A study of community organization for health including environmental health, epidemiology and medical services.

4421 Human Sexuality and Sex Education (3-3)
Sex roles and behavior. Methods and materials for sex education.

4422 Substance Abuse Education (3-3)
A study of the abuse of drugs in society. An emphasis is placed on content, resources, and methods in drug education.

4427 Health Behavior (3-3)
The theoretical foundations of health behavior and evaluation and their application to health practice. Prerequisite: HPR 4420.

4430 Sport and Fitness Marketing (3)
Course is designed to introduce the student to marketing practices of sport and fitness organizations. The course will review terminology, systems, techniques, and processes that are used in the specialized application of sport and fitness marketing and to encourage students to consider how traditional marketing strategies may be applied to this substantial and growing industry. Prerequisite: HPR 3355 or permission of instructor.

4440 Governing Agencies in Sport (3)
Course is designed to provide the student with information concerning basic structure and governing principles of various sport agencies. The course will include, but is not limited to, an examination of the National Collegiate Athletic Association, National Association of Intercollegiate Athletics, professional sports leagues in the United States and Europe. Prerequisite: HPR 3355 or permission of instructor.

4442 Health Education (3-3)
School health organization, services and institutions. Grade N-12. Prerequisite: Junior or above.

4443 Sport Administration (3)
Organization and administration of sport management, recreation and athletic training programs. Prerequisite: Junior or above.

4450 The Management of Sport (3-3)
Foundation and application of research and theory of sport overview.

4451 Sport Finance and Business (3)
Course is designed to provide the student with information concerning the basic theories in finance and accounting applied to managerial control of sport organizations. Included are forms of ownership, taxation, financial analysis, feasibility studies, licensing, and economic impact studies. Prerequisite: HPR 3355 or permission of instructor.

4455 Facility Management (3)
Course is designed to provide the student with information concerning the planning, design, organization, and administration of sport, fitness, and recreational facilities as well as event management. Prerequisite: HPR 3355 or permission of instructor.

4460 Principles of Strength and Conditioning (3)
This course will enable the student to develop knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed, and agility in traditional and non-traditional sports. Emphasis will be placed on implementation and measurement of the above programs in conjunction with athletic development. Prerequisites: HPR 3360 or BIO 3347 & 3348, and HPR 3352. Corequisite: HPR L460.

4460 Principles of Strength and Conditioning Lab
This lab is designed to develop practical knowledge and expertise in the areas of strength training, cardiovascular endurance, flexibility, reaction time, speed, and agility in traditional and non-traditional sports. Emphasis will be placed on implementation and measurement of the above programs in conjunction with athletic development. Prerequisites: HPR 3360 or BIO 3347 & 3348, and HPR 3352. Corequisite: HPR 4460.
4462 Physical Education for Exceptional Children (2-2)
Programs to serve the needs of the exceptional child in schools. Prerequisite: permission of the instructor.

4465 Classroom Management for the Health and Physical Educator (3-3)
This course will explore the issues of organization, curriculum, and classroom management as it relates to the physical education environment. Directed field requirements will be presented and observation hours will be conducted. Junior, Senior level.

4470 Theory and Techniques of Coaching Softball (2-2)
Development of basic skills necessary for team play, squad organization, rules, scouting procedures, team conditioning, and equipment needs.

4474 Exercise Physiology (3-3)
Physiological mechanisms and adaptations of cells, tissues, organs and systems during physical activity. Prerequisite: HPR 3360 or BIO 3347/3348, & HPR 3391, 3352

4475 Exercise Testing and Prescription (3-3)
Course will examine the criteria for evaluation of health status of persons wishing to begin an exercise program, guidelines of establishing current fitness level, and the basic principles of exercise prescription. Also, levels of certification and criteria by ASSM will be discussed. Prerequisite: HPR 4474

4476 Laboratory Practicum in Exercise Physiology (2-2)
Students will be introduced to some of the measurement techniques routinely used in exercise physiology and will gain practical experience in administration of these tests. Emphasis will be placed on how to avoid measurement errors. Prerequisite: HPR 4474

4477 Theory and Techniques of Coaching Football (2-2)
Offensive and defensive techniques, purchase and case of equipment, budgeting, ethics, rules, scouting and team conditioning.

4478 Theory and Techniques of Coaching Soccer (2-2)
The development of basic skills necessary for team play, squad organization, rules, scouting procedures, term conditioning and equipment needs.

4479 Theory and Techniques of Coaching Volleyball (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.

4480 Theory and Techniques of Coaching Track and Field (2-2)
Teaching of basic fundamentals of track and field activities.

4481 Methods and Materials for the Secondary School Physical Education or Health Teacher (3-3)
Teaching methods, selection, organization and use of physical education or health materials in secondary schools. Observation and teaching experiences will be included. Prerequisite: PSY 3325 or NSG 2205

4482 Theory and Techniques of Coaching Basketball (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, squad organization, rules, scouting and team conditioning.

4483 Theory and Techniques of Coaching Baseball (2-2)
Offensive and defensive techniques, purchase and care of equipment, budgeting, batting and field drills, rules, scouting and team conditioning.

4485 Teaching Individual and Team Sports (3-3)
Teaching methods, techniques and officiating basketball, gymnastics, badminton and soccer. Prerequisite: HPR 3352 and admission to professional education program or permission of the instructor.

4486 Teaching Individual and Team Sports (3-3)
Teaching methods, techniques and officiating swimming, track and field, tennis and golf. Prerequisites: HPR 3352 and admission to professional education program or permission of the instructor.

4487 Special Topics in Exercise Performance (2-2)
An intensive study of selected topics in exercise science. Topics to be taught each term are announced. Prerequisite: HPR 4474 or permission of instructor.

4488 Issues & Practice in Cardiac Rehabilitation (3-3)
Course will examine the policies and procedures of cardiac rehabilitation programs. Students will be introduced to the phases of cardiac rehabilitation programs, administration and reporting of graded exercise stress tests, administration of exercise sessions and reporting procedures, and techniques of successful patient educational programs. Prerequisite: HPR 4474

4489 Practicum in Dance Production and Performance (1-3)
A supervised experience in planning, staging and evaluating a formal dance production.

4490 Internship in Area of Concentration (4-10)
A supervised experience in planning, staging and evaluating a formal practicum in related field. Prerequisite: Completion of 50 hours of required courses in the sports and fitness management core concentration and permission of the department chair.

4491-4492 Guided Independent Research (1-3)
Additional information is indexed under "Guided Independent Research and Study".
**Guided Independent Study (1-3)**

Additional information is indexed under "Guided Independent Research and Study".

**Human Behavior In the Social Environment II (3)**

An examination of the social dynamics of discrimination and oppression and particularly, how discriminatory and oppressive environments have potential for negatively affecting biopsychosocial growth and development. F, Sp, Su

**Social Policy and Planning (3)**

Exploration of the social policy formulation process and the building of analysis skills in the evaluation of social policy and programs. The impact of political, economic, and social forces is a focal point and the process of incrementalism in implementation is examined. Prerequisites: HS 2230 or permission of instructor. F, Sp, Su

**Foundations of Rehabilitation (3)**

Review of historical, philosophical, and legislative development of the rehabilitation movement; focuses on current service delivery systems and trends. Prerequisite: HS 2230. F, Sp

**Individual Differences and the World of Work (3)**

An orientation into the world of work along with the meaning and importance of work to the individual, family and community. Includes job search techniques, methods of doing job surveys and ways of classifying information. Prerequisite: HS 2230 or permission of instructor. F, Sp

**Vocational Assessment (3)**

Process, principles, and techniques used to diagnose vocational assets and liabilities of the individual. Emphasis upon the use of psychometric tests, work samples, and job samples. Prerequisite: HS 2230 or permission of instructor. F, Sp

**Introduction to Visual Impairment (3)**

This course will provide an understanding of the medical, psychological, social, educational, and vocational issues that professionals must understand to work effectively with persons who are visually impaired. On demand

**Medical and Vocational Aspects of Physical Disabilities (3)**

Examines specific physical disabilities from medical, psychological, social, and vocational points of view. Covers a number of disabling conditions including etiology, characteristics, and implications for treatment. Prerequisite: F, Sp

**Rehabilitation of Persons with Severe Disabilities (3)**

Rehabilitation needs of persons with severe disabilities. Concepts, approaches, philosophy and ethical considerations related to independent living, supported employment, and advocacy efforts. On demand

**Juvenile Rehabilitation and Counseling (3)**

Treatment modalities, diagnostic techniques, intervention systems, concurrent problems, and counseling techniques with adolescents. Emphasis is upon evaluation of services, i.e., vocational, self-concepts, academic, psychotherapy, peer relations, group counseling, family relations, and life skill development. On demand

**Rehabilitation Practicum (12)**

Provides experience in a rehabilitation setting with an emphasis on the multiple nature of human problems and the impact these problems have on the disabled and disadvantaged. Includes a weekly seminar plus a minimum of 500 hours in a particular agency setting. Prerequisites: Rehabilitation major, RHB 4410. Practicum site must be approved by instructor during RHB 4410. F, Sp

**Senior Seminar (2)**

The impact of recent changes in federal and state legislation and the role and function of professional organizations and their positions on current issues. Prerequisite: HS/RHB major with senior standing or permission of instructor: F, Sp, Su

**Introduction to Social Work (3)**

The student is introduced to the profession of social work. The knowledge, skills and values essential for
2280  
Social Work Research I (3)
Introduction to statistical analysis concepts and principles necessary for understanding research reports and for the interpretation of data. Use of microcomputer statistical programs in the analysis of univariate, bivariate, and multivariate data including parametric and non-parametric analysis techniques. Topics include descriptive techniques, averages and measures of variation, tests of statistical significance, correlation and regression, and analysis of variance. Prerequisite: MTH 1110 or 1112 and IS 2200. F, Sp, Su

3301  
Children and Family Services (3)
Child welfare services from both the public and private sectors of social work practice will be assessed, emphasizing the availability and effectiveness of services for children and their families in the United States. The historical development of the child welfare movement will be examined. On demand

3302  
Social Service Resources (3)
Examination of social welfare services and institutions, public and private, to include historical development, philosophical basis, structure, and function. F, Sp, Su

3303  
Crisis Intervention (3)
Case management techniques for dealing with crisis. Crisis theory, stress management, and time-limited intervention will be examined. On demand

3304  
Social Work Practice In Health Settings (3)
A survey of the use of professional social work in a variety of health care delivery settings. Exposure to basic medical terminology needed by social workers. Overview of the social aspects of disease, illness, and disability. On demand

3320  
Human Behavior In The Social Environment II (3)
An examination of the social dynamics of discrimination and oppression and particularly, how discriminatory and oppressive environments have potential for negatively affecting biopsychosocial growth and development. F, Sp, Su

3340  
Social Policy and Planning (3)
Exploration of the social policy formulation process and the building of analysis skills in the evaluation of social policy and programs. The impact of political, economic, and social forces is a focal point and the process of incrementalism in implementation is examined. Prerequisites: HS 2230 or permission of instructor. F, Sp, Su

3390  
Social Work with Individuals and Families (3)
The molding of the systems and developmental perspectives and the problem solving approach as a basis for generalist social work practice with individual and family systems. Assessment, intervention, and evaluation skills are developed. Prerequisite: Admission to the professional social work curriculum. F, Sp

4450  
Senior Seminar (2)
The impact of recent changes in federal and state legislation and the role and function of professional organizations and their positions on current issues. Prerequisite: HS/SWK major with senior standing or permission of instructor. F, Sp, Su

4471  
Social Work with Groups (3)
The student learns to identify group processes and use these in assessment and intervention with the group as a client system. Evaluation of practice is extended to group settings. Prerequisite: SWK 3390. Corequisite: SWK 4472. F, Sp

4472  
Social Work with Organizations and Communities (3)
Assessment and intervention with the community or organization as a client system. Skill building in evaluation of one's own practice continues. Prerequisite: SWK 3390. Corequisite: SWK 4471. F, Sp

4480  
Social Work Pre-Practicum (1)
Preparation for SWK 4481. Corequisite: SWK 4471 and SWK 4472. F, Sp

4481  
Social Work Practicum (12)
Placement in a social service agency which provides the opportunity to practice and develop beginning professional social work skills under the joint supervision of a faculty and an agency supervisor. Includes a weekly seminar plus a minimum of 500 hours in a particular agency setting. Prerequisites: Social work major in good standing, SWK 4480. Practicum site must be approved by instructor during SWK 4480.
DRAFT 1