GRADUATE COURSE DESCRIPTIONS (HAP)
Students are encouraged to think critically as an integral part of developing a logical, sequential and humanistic approach to their patient responsibilities and mastering medical information. This course has an associated fee. Please see www.stonybrook.edu/coursefees for more information. Prerequisite: HAP 523 (minimum grade of B-). Open to entry-level PA students only. 9 credits,

HAP 528: Genitourinary, Sexual and Reproductive Health
A comprehensive introduction to obstetrics and gynecology (OB/GYN), male and female genitourinary system (GU) and human sexuality. Students will learn about structures, function, evaluation and treatments of the various diseases and conditions. This course has an associated fee. Please see www.stonybrook.edu/coursefees for more information. Open to entry level PA students only.

4 credits,

HAP 532: Diagnostic Imaging
Provides an overview of common diagnostic imaging modalities and their indications, limitations, benefits and potential risks. Students learn how to utilize plain radiographs and other imaging studies in the diagnosis of disease with an emphasis on recognition of normal findings and their comparison to the abnormalities found in disease processes. Open to entry-level PA students only.

2 credits,

HAP 534: Introduction to Clinical Psychiatry
Presents key principles of psychiatric evaluation and interviewing to include the mental status exam. Focuses on psychiatric problems seen in primary care, introduces the differential diagnosis and treatment of major psychiatric disorders such as anxiety, personality and mood disorders, psychosis, substance abuse, and somatoform disorders. Fosters an awareness of social patterns that exert an impact on mental functioning. Open to entry-level PA students only.

3 credits,

HAP 538: Clinical Aspects of Palliative Care
Provides students with knowledge and skills relevant to the practice of hospice and palliative medicine. Involves care of patients at all stages of progressive disease, including symptom management, restoration and maintenance of quality of life. Focuses on patient-directed goals. Explores coordination of services and care, using a holistic, team-based model and communication tools. Open to any healthcare professional who has an interest or work experience in hospice and palliative medical care.

1 credit, S/F graded

HAP 551: Research Design and Evidence-Based Medicine
Provides students with basic knowledge and skills needed to formulate research questions...
and hypotheses, develop research protocols, critically evaluate and analyze scientific and medical journals, and to conduct computerized searches and literature reviews. Describes principals of Evidence-Based Medicine and emphasizes various types of clinical questions and tools available to answer them. By the end of this course, the student will choose a proposed topic for their capstone project. Open to entry-level PA students only.

2 credits,

HAP 557: Introduction to Clinical Informatics

Introduces health care professionals to concepts surrounding clinical information systems and the practical applications of these concepts. Provides an overview of the Clinical Informatics field including definitions, theory, technologies, and workflows. Focuses on topics related to the delivery of health care within the realm of the electronic medical record systems, including policy, leadership, regulatory affairs and administration. Includes synchronous and asynchronous on-line learning activities.

3 credits,

HAP 559: Complementary and Integrative Medicine

Examines the theory, philosophy, and applications of complementary and integrative medicine within today's health care system. Presents many alternatives to traditional Western or allopathic medicine, and how these various models, systems and therapies impact the delivery of health care in the United States. Prepares students to best respond to consumers requests for information on the use of therapies. Emphasizes an evidence based approach and promotes awareness of clinical research currently done in these areas. Exposes various methods of access to resources and how to incorporate these approaches into clinical practices.

3 credits,

HAP 561: Master's Project I

Students will work with a faculty mentor to develop a clinical question and perform an initial literature search on a topic of interest. Topics should be well-focused and may include psychological, economic or ethical issues in health care as well as diagnostic or treatment-related questions. Following review by a faculty mentor, the student will submit summaries of selected articles as well as an outline. Open to entry-level PA students only. Prerequisite: HAP 551

1 credit,

HAP 562: Masters Project II

Students will work with their faculty mentor to refine a clinical question and revise the presentation outline and article summaries submitted at the end of HAP 561. Emphasis will be placed on thoroughness of the literature search and clarity of the presentation. By completion of this course, students should have the presentation in its final form, and have developed a draft of a final paper. Open to entry-level PA students only. Prerequisite: 561

1 credit,

HAP 563: Masters Project III

Students will revise the presentation submitted at the end of HAP 562 with input from their faculty mentor, who will guide them in developing a concise, professional-appearing product, suitable for presentation at a professional conference. Students will present this to the faculty and other members of the class, and will be evaluated on the content, visual, and oral components of their work. Students will also complete and submit their final paper. Open to entry-level PA students only. Prerequisite: HAP 562

1 credit,

HAP 564: Internal Medicine Clerkship

Provides practical clinical experience in caring for adult hospitalized patients on a medical service. Strengthens the student's skills in developing a comprehensive database with regard to a wide variety of common inpatient medical problems, stressing mastery of cognitive and affective information that enables the student to recognize normal and assess deviation from normal, and effectively consult and refer. Exposure to out-patient care is often included. Students learn to address personal and social issues that influence the care of the medical patient. This course has an associated fee. Please see www.stonybrook.edu/coursefees for more information. Prerequisite: Successful completion of preclinical year courses.

5 credits,

HAP 565: Obstetrics and Gynecology Clerkship

Provides students with practical clinical experience in the differential diagnosis, evaluation, management, and consultation and referral for normal and abnormal conditions in obstetrics and gynecology. Students will gain skills in obtaining patient histories, physical diagnosis and medical decision making through exposure to a broad base of patients with a wide variety of personal and social issues that influence patient care. Prerequisite: Successful completion of preclinical year courses.

4 credits,

HAP 566: Nursing Clerkship

Provides students with practical clinical experience in the recognition, evaluation and management of patients with mental illness. Through clinical interaction with mental health patients and workers, students will develop an understanding of the biological and psychosocial factors that influence a variety of psychiatric conditions, and effectively consult with other professionals and refer patients to the support services that are required to optimize the care of the psychiatric patient. Students will learn to address a wide variety of personal and social issues that influence the care of this patient population. Prerequisite: Successful completion of preclinical year courses.

5 credits,

HAP 567: Medicine Preceptorship

Provides students with practical clinical experience working with the ambulatory medical patient. This preceptorship augments
and develops directed data collection skills emphasizing a wide range of primary care medical problems and their management. Cognitive and affective skills that enable the student to recognize normal and assess abnormal findings and effectively consult and refer are a key aspect of learning during this experience. Students will learn to address a wide variety of personal and social issues that influence the care of the medical patient. This course has an associated fee. Please see www.stonybrook.edu/coursefees for more information. Prerequisite: Successful completion of preclinical year courses.

5 credits,

**HAP 577: Pediatric Preceptorship**

Provides students with practical clinical experience working with ambulatory pediatric patients. Through exposure to a wide variety of primary care pediatric problems, students will develop directed data collection and patient management skills and learn how to effectively consult and refer. The preceptorship stresses those cognitive and affective skills that enable the student to recognize normal findings and assess abnormal findings. Students will learn to address a wide variety of personal and social issues that influence the care of the pediatric patient. Prerequisite: Successful completion of preclinical year courses.

5 credits,

**HAP 579: Geriatrics Clerkship**

Provides students with practical clinical experience in working with elderly patients. Augments and strengthens students' skills in developing a thorough database and enhances student understanding of when to request a consultation or make a referral. Students work with a wide variety of common geriatric problems and learn how to appropriately modify their management approach to the indications, limitations, and methodology of diagnostic procedures and therapeutic regimens in the elderly. Students will also learn to address a wide variety of personal and social issues that influence the care of the geriatric patient. Prerequisite: Successful completion of preclinical year courses.

4 credits,

**HAP 580: Orthopedic Clerkship**

Provides students with practical experience in the care of patients with musculoskeletal disorders and acute injuries in the primary care setting. Students will develop the knowledge, attitudes and skills necessary to obtain directed patient histories, perform focused physical exams, make sound clinical decisions, and effectively consult and refer through exposure to patients with a wide variety of orthopedic problems. Students will learn to address a wide variety of personal and social issues that influence the care of the orthopedic patient. Prerequisite: Successful completion of preclinical year courses.

4 credits.

**HAP 581: Clinical Elective**

Provides students with the opportunity to explore an area of medical or surgical practice beyond basic required rotations. Students are encouraged to choose an area of emerging importance in health care and PA practice and/or a potential employment setting. This elective clerkship further augments and develops patient management skills in the chosen medical or surgical discipline and must be selected in consultation with the student's program faculty advisor. Students will learn to address a wide variety of personal and social issues that influence the care of many patients. Prerequisite: Successful completion of preclinical year courses.

4 credits.

**HAP 599: Clinical Continuation**

This course is for physician assistant students continuing with clinical. S/F graded May be repeated for credit.