

Stony Brook University
PA Post-Professional Master's Program
Current Course Offerings
(courses are subject to change)

- **Bold courses are core required courses for the PA Post-Professional Master's Program (all other courses can be used as electives in the Master's Program)**
- Asterisk (*) courses are required in the Advanced Certificate in Health Care Management Program
- Italics and asterisk courses can be used as electives in the Advanced Certificate in Health Care Management Program
- Double asterisk (**) courses are required in the Advanced Certificate in Nutrition Program
- Italics and double asterisk courses can be used as electives in the Advanced Certificate in Nutrition Program

Spring 2020 (Term 1204) Course Offerings

Session B (January 27 – May 20, 2020)	Session U (February 3 – May 15, 2020)
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Course	Class	Session	Section	Course Name	Days/Times	Instructor
HAP 552	55092	U	01	Evidence Based Medicine: Evaluating and Applying Clinical Research	Online	N. Dimitrov
HAP 588	53847 53644	B	01	Practicum <i>(Contact Lynn for details – Practicum Proposal and form must be submitted prior to 12/31 – see last page of this document for forms)</i>	Online	L. Timko-Swaim N. Dimitrov

For the following HAS courses, students who have not applied to the Advanced Certificate in Health Care Management Program but want to enroll in a course, must request permission to enroll by sending an email with NAME, SB ID # and NAME OF COURSE to brooke.ellison@stonybrook.edu PRIOR to registering for the course(s).

HAS 530	55476	B	01	Healthcare Operations*	Online	S. Carpio
HAS 538	55392	B	01	Health Economics and Public Policy*	Online	B. Ellison
HAS 544	55909	B	01	<i>Principles of Managed Care*</i>	Online	F. Caruso

Advanced Certificate in Nutrition Program Courses have limited space; prior to enrolling, to ensure availability, Contact: Sharon.Schmidt@stonybrookmedicine.edu or 631.638.2132

HFN 500	54459	B	01	Survey of Nutrition Concepts** <i>Prerequisite: Physiology</i>	Online	J. Antino
HFN 505	54456	B	01	<i>Current Topics: Maternal and Child Nutrition **</i> <i>Prerequisite: HFN 500</i>	Online	L. Holbrook
HFN 512	54463	B	01	<i>Macronutrients and Metabolic Regulation**</i> <i>Prerequisite: HFN 500</i>	Online	S. Everett
HFN 520	54462	B	01	<i>Advanced Communication and Counseling**</i> <i>Pre-requisite: HFN 500</i>	Online	Hymowitz
HFN 525	54464	B	01	<i>Food Policy and Health Outcomes in the US**</i>	Online	Ruckdeschel

For additional information on this Course in the Public Health Program, Contact: joanmarie.maniaci@stonybrook.edu or 631.444.2074

HPH 585	54439	B	01	Intro to Biostatistics and Epidemiology	Online	Philip
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Course Descriptions

HAP 552 Evidence Based Medicine: Evaluating and Applying Clinical Research

Provides practicing PAs with the knowledge and skills to develop and evaluate clinical research questions, hypotheses, designs and protocols, and to critically evaluate and analyze scientific and medical journals. Students will learn to conduct computerized searches and literature reviews. Introduces the principles and practice of Evidence-Based Medicine, with emphasis on various types of clinical questions typically encountered in PA practice, and tools available to answer them. Course will focus on student areas of interest, and projects will be based on clinical cases encountered in the student's practice. Students will apply their knowledge of research and EBM by designing a clinical question and conducting and reporting on a thorough literature search on their topic of choice. (3 credits)

HAP 588 Practicum

This course is designed to give Physician Assistant (PA) Post-Professional Master's Program (PPMP) students the opportunities to apply theories and skills learned in the program. A limited number of students are allowed to develop a practicum project that is uniquely designed to meet his/her needs. Students will plan and implement a project within one of the following areas: 1) research, 2) administration and management, 3) education, 4) leadership/professional development or 5) professional writing. The project must be negotiated with and approved by the Program Director. Acceptable projects must include design, implementation and analysis phases as well as a bibliography. Once the project is accepted, the Program Director will identify an appropriate mentor and assist in the development of a practicum proposal between the student and the mentor. Enrollment is open to PA PPMP students only by permission of the Program Director. The course is worth 3 credits but may be repeated no more than once.

HAS 530 Health Care Operations

This course addresses the operations within health care institutions from the macro to the micro levels of management. It analyzes philosophy and significant occurrences affecting health care operations in the past, present, and future. Divisions within health care operations (clinical, support and informational services, nursing, finance, and ambulatory care) will address the following aspects of management: financial forecasting and monitoring, staffing, employee productivity and morale, customer service, cost containment, decision making, total quality management, and managed care. Emphasizes hospital operations, and presents nursing home and community health care center operations. (3 credits)

HAS 538 Health Economics and Public Policy

The contents of the course will present an in depth analysis of the effects of economic principles on health care and the effect of health policy and economic forces on the health care delivery system. Students will be taught to use these concepts to analyze health policy and improve the delivery of health care services. The effect of changes in market forces, manpower needs, and formation of integrated delivery systems, health promotion initiatives and the impact of technology will be studied. Can be used towards the Advanced Certificate in Health Care Management. (3 credits)

HAS 544 Principles of Managed Care

This class provides an in-depth understanding of the meaning of managed care in the context of the United States health care system. The class will also review the history, components, and various organizational forms of managed care systems. Potential benefits, inherent limitations, and the legal, social, and ethical implications of managed care as a health care delivery system will be discussed. Can be used towards the Advanced Certificate in Health Care Management. (3 credits)

HFN 500 Survey of Nutrition Concepts

This 3 credit online course is designed to introduce students to the fundamentals of nutrition science. Dietary sources and functions of macro and micronutrients are reviewed, as well as the basics of their metabolism and their impact on disease prevention, energy balance and common health problems. (3 credits)
(Prerequisite: Physiology)

HFN 505 Current Topics: Maternal and Child Nutrition

This course will provide an overview will provide an overview of current and emerging issues in food and nutrition with a focus on topics that impact nutrition recommendations for patients or the public. Students will explore how these trends may shape patient recommendations and barriers to implementing such recommendations. Students will also examine the disconnect between the research and current food policy, as well as existing evidence to support broad-based change to alleviate chronic disease risk and soaring health care costs. (3 credits) (Prerequisite: HFN 500)

HFN 512 Macronutrients and Metabolic Regulation

This course is designed to promote an in depth understanding of the role of macronutrients in human health and nutrition. The digestion, absorption and metabolism of carbohydrates, proteins and fats and the relationship of energy metabolism will be extensively studied. (3 credits) (*Prerequisite: HFN 500*)

HFN 520 Advanced Communication and Counseling

This online course examines the role of professionals in promoting general health and wellness for individuals and groups in a community setting. Application of key theoretical models of behavior change and evidence-based intervention strategies are explored. Strategies and skills in counseling the individual client and group are examined and applied. Additional topics include techniques for communicating nutrition information to the public, the media and ensuring cultural competence. (3 credits) (*Prerequisite: HFN 500, or equivalent upon approval*)

HFN 525 Food Policy and Health Outcomes in the United States

This online course is an overview of how food access and health outcomes are influenced by federal and local municipal public policy. The class will include a brief overview of the American political system followed by a deeper analysis of some specific public policies that can lead to food access inequities and adverse health outcomes including, but not limited to: taxation, land use and zoning, agriculture policy, environmental policy, education policy, economic inequality, media influences and cultural biases. At the conclusion of the semester, students will be asked to conduct a case study analysis of a recent federal and local food policy decision and asked to evaluate the ways in which the policy succeeded or failed in achieving its mission. How should success and failure measured? How could the policy be improved? What unintended consequences were discovered? Is the policy scalable to other municipalities? **Note:** *this course is only available to non-nutrition students and students who matriculated into this graduate nutrition program in term 1168 or later.* (3 credits)

HPH 585 Introduction to Biostatistics and Epidemiology

This course is an introduction to the principles of statistical methods and epidemiology and their application in the health sciences. The student will develop a basic understanding of statistics, epidemiology, and interpretation of research studies in order to communicate risk and scientific evidence to colleagues and the public, directly or through the press. (3 credits)

The body of the proposal should be written by the student in consultation with the faculty mentor. It may be any length that is appropriate to the content but should contain, as a minimum the following:

1. A short explanation of the problem/topic to be studied
2. A statement of what the student plans to do including the amount and type of work to be completed. This should be as specific as possible and should indicate the form of the final report or project. Examples of such outcomes include:
 - a. critical review and synthesis of a body of literature
 - b. project in which data is collected and analyzed
 - c. project in which new policies and/or procedures are developed
 - d. Powerpoint presentation for a specified group
3. Timeline for completion of work
4. Method of evaluation
5. Number of credits
6. Number of hours per week to be spent working on project and meeting with mentor (keep in mind that 45 hours of practicum work = 1 credit)

A list of resources the student will consult