

# PUBLIC HEALTH (BPH)

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**BPH 200. Basic Concepts Public Health. 3 Credit Hours.**

This course focuses on current health care issues and the health care system as well as the future direction of health care.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Summer.

**BPH 202. Introductory Statistics in Health Care. 3 Credit Hours.**

Application of descriptive and inferential statistics. Principles and methods of summarizing data including tables, graphs, percentile ranks, central tendency, variability, normal distribution. Basic concepts of probability, hypothesis testing, and analysis of variance. Examples and problems from nursing, health sciences, and public health.

Corequisite: MTH 101. Or Requisite: ALEKS > or = 55 or SAT Score > or = 630 or ACT > or = 28.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**BPH 206. Introduction to Public Health. 3 Credit Hours.**

The course is a general introduction to all aspects of public health including an overview of the history of public health, social and economic determinants of health, health disparities, social justice, health services administration, health policy, and health and environment.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**BPH 208. Introductory Epidemiology. 3 Credit Hours.**

This course is a general introduction to epidemiology, definition of concepts and natural history of disease and levels of prevention. It also covers measures of morbidity and mortality. Epidemiologic aspects of infectious and chronic diseases.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**BPH 217. Medical Terminology. 1 Credit Hour.**

This course will assist the student in understanding the principles of medical word building in order to develop the extensive medical vocabulary used in health care professions. Students receive a thorough grounding in basic medical terminology through the study of root words, prefixes and suffixes. The course emphasizes correct pronunciation, spelling and use of medical terms.

Prerequisite: BIL 150.

**Components:** CLN.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**BPH 299. Applied Basic Principles in Healthcare. 3 Credit Hours.**

This course examines basic principles in healthcare such as immunization, CPR, telehealth, electronic health records, and vital signs. Health care is a fundamental human right because it affects an individual's opportunity to pursue life-long goals, reduce pain and suffering, prevent premature loss of life, and provide information needed to plan activities of daily living. Society has an obligation to provide access to an adequate level of care to all its members, regardless of their ability to pay. Students will apply basic healthcare concepts learned in the classroom through individual and group projects.

Admission to health science or public health programs.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**BPH 301. Human Sexuality and Vulnerable Populations. 3 Credit Hours.**

The study of human sexuality via multidisciplinary theoretical perspectives and research. Students will examine the complex relationships of the physiological, psychological, cultural, gender, religious, historical, and political aspects of human sexuality. Human sexuality in the context of health disparities will form the foundation for the course. WRITING COURSE.

Prerequisite: BPH 206 or Requisite: Nursing Clinical Major.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**BPH 303. HIV/AIDS and Health Maintenance for Health Care Providers. 3 Credit Hours.**

Definition, diagnosis, management and care of diverse patient populations with HIV infection and AIDS. Presented and discussed from an interdisciplinary health care perspective.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**BPH 305. Issues in Health Disparities. 3 Credit Hours.**

This course will be an introduction to the general research on health systems and health disparities. Emphasis will be placed on social, biological, economic, and social policy issues that impact on the health of minority populations. Concepts associated with epidemiology, poverty, racism, public policy, and international politics will be explored.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring.

**BPH 306. Principles of Nutrition. 3 Credit Hours.**

Principles of nutrition integrated with cultural dietary patterns for client adaptation across the lifespan.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**BPH 309. Health and Environment. 3 Credit Hours.**

This course examines health issues, scientific understanding of causes and possible future approaches to control of the major environmental health problems. Topics include how the body reacts to environmental pollutants; physical, chemical, and biological agents of environmental contamination; vectors for dissemination; susceptible populations; the scientific bases for policy decisions and emerging global environmental health problems.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring.

**BPH 310. Global Health. 3 Credit Hours.**

Introduction to the concepts of global health and the critical links between public health and social and economic development. Determinants of health and patterns of disease and health outcomes across the global are critically examined. The course reviews the determinants of health status in terms of biology, demography, epidemiology, culture, sociology, economics, and politics. Key concerns regarding reproductive health, child survival, nutrition, communicable diseases, and chronic diseases are examined. Health care delivery in developed vs. undeveloped regions of the world are emphasized.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**BPH 317. Theories in Growth and Development. 3 Credit Hours.**

Application of growth and development theories through the lifespan with a case study approach to issues commonly encountered nursing practice in a variety of clinical settings.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.

**BPH 319. Contemporary Issues in Bioethics for Health Care. 3 Credit Hours.**

The course will cover bioethical issues in the health care environment including ethical principles, theories and decision making strategies.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**BPH 321. Health Promotion and Disease Prevention. 3 Credit Hours.**

The focus of this course is on the understanding and implementation of strategies aimed at promoting health and preventing disease. It also focuses on optimal health maintenance and wellness support for individuals, families, and communities. The content of the course includes health across the lifespan and resources associated with health promotion. Common health alternations will be discussed, as well as socio-cultural perceptions of health and illness.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**BPH 322. Introduction to Health Policy. 3 Credit Hours.**

This course provides an introduction to the organization, delivery, and financing of health care in the United States. We will consider policy challenges created by the structure of the health care system, including access to care, quality of care, and cost growth. Major areas of focus will include public insurance programs, private insurance, the uninsured, health disparities, and implementation of health care reform legislation.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring.

**BPH 352. Biological Principles of Public Health. 3 Credit Hours.**

This course examines the biological basis and pathogenesis of diseases from a public health perspective and describes the impact on populations. This course also presents the basic scientific and biomedical concepts of modern public health problems and explores in depth mechanisms and models of the major categories of disease. The biologic principles presented in this course are foundations to developing and implementing public health disease prevention, control, or management programs.

Prerequisites: BPH 206 and BIL 150 and BIL 151 and CHM 103 or CHM 111 or CHM 121 and CHM 105 or CHM 113.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**BPH 355. Global Nutrition. 3 Credit Hours.**

This course examines nutrition related public health issues in the global setting. Nutrition related morbidity and mortality, etiologic factors, and population-focused strategies to address these issues are covered. Food relief and nutrition policies and programs at the local, national and international levels are examined. Current scientific research in international nutrition is reviewed from an epidemiological perspective.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**BPH 365. Research Methods in Public Health. 3 Credit Hours.**

This course utilizes fundamental epidemiological skills to apply concepts and practical issues related to conducting public health research. It covers key processes of research investigations such as the identification of gaps in the field, critical thinking, study design selection, research proposal development, quantitative and qualitative research methods, and best practices for the dissemination of research findings.

Prerequisite: BPH 208.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring.

**BPH 402. Global Health Disparities Research. 3 Credit Hours.**

This is a 4 week intensive educational experience that prepares students to be successful conducting supervised health disparities research as part of the MHIRT program at a foreign institution, disseminating findings, and applying to graduate school. The training program is broken into a preparation phase (3 weeks prior to leaving to their host country), and a dissemination phase (1 week after they return). Students will be working as a research assistant at a foreign site for eight weeks in between the preparation and dissemination phases of this training program. Students will learn about the influence of culture and healthcare policy on health and health disparities, research design, statistics, communicating research findings and careers in health disparities research.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**BPH 419. Contemporary Health Issues in South Florida. 3 Credit Hours.**

This course will provide students with an in-depth look at public health topics relevant to communities in South Florida. Emphasis will be placed on the social, cultural, and policy issues that impact the health of vulnerable populations in our community. Interdisciplinary researcher knowledge and practice from the University of Miami and other relevant institutions will be highlighted.

Prerequisite: BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Spring.

**BPH 461. Practicum in Health Disparities Research. 1-4 Credit Hours.**

This course is designed to provide opportunities for students across all levels of higher education to participate in health disparities research. Students will be mentored by a health disparities researcher with an active research project. Objectives will be established by the research mentor and the student according to educational level, interests and opportunities. Students will be incorporated into the research team and expected to attend project meetings. They will also be expected to participate in scholarly work that could contribute to the success of the project. Examples of scholarly work include co-authoring research papers and presentations, developing recruitment materials, assisting in compiling/developing data collection measures, or any other product deemed appropriate by the mentor.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Fall, Spring, & Summer.

**BPH 465. Public Health Statistics and Data Management. 3 Credit Hours.**

This course is designed to give students an opportunity to apply basic principles of statistics and data management in public health. Students will learn to use statistical techniques to answer questions relating to the morbidity and mortality of health conditions and the efficacy and effectiveness of public health interventions.

Prerequisites: BPH/HCS/NUR 202 and BPH 206.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall.

**BPH 487. Global Health Practicum. 3 Credit Hours.**

Collaborative clinical venture between UM/SON and an International School of Nursing. Students will exchange supervised western clinical experiences, knowledge and skills for the care of clients and families in specialty areas, including MedSurg, ICU and/or Emergency nursing units. Students will apply and synthesize basic science knowledge and skills that foster ethical, legal, and culturally specific health care.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Offered by Announcement Only.

**BPH 490. Field Practicum in Community Health. 4 Credit Hours.**

This course provides students with field experiences in community health. During the didactic portion of the course, students will be introduced to the basic principles and methods used in community health assessment, program development, program implementation, and evaluation. During the field experience component of the course students will work under the supervision of lead faculty to apply the knowledge and skills they obtained during their course of study to address a public health issue.

Prerequisite: BPH 206 and 208 and 321 and 465.

**Components:** PRA.

**Grading:** GRD.

**Typically Offered:** Spring.

**BPH 499. Selected Topics. 0-6 Credit Hours.**

Offerings will vary by semester based upon student demand and availability of faculty.

**Components:** LEC.

**Grading:** GRD.

**Typically Offered:** Fall & Spring.