BIOHEALTH SCIENCES (BHS)

BHS 107, HEALTH PROFESSIONS: DENTAL, 1 Credit

Discussion of matters relating to a dental career. Includes application procedures, the importance of various requirements, admissions, professional school curricula, financing education and related matters. Speakers are included. Graded P/N.

BHS 110, BIOHEALTH SCIENCES ORIENTATION, 1 Credit

Introduction of incoming BioHealth Sciences students to college life with an emphasis on faculties, facilities, services, and curricula in BHS. Exposure to career opportunities for students interested in the BioHealth Sciences. Graded P/N.

BHS 199, SPECIAL TOPICS, 1-16 Credits

Graded P/N.

Equivalent to: GS 199

This course is repeatable for 16 credits.

BHS 211, PROFESSIONAL DEVELOPMENT II: MOLECULAR, MICROBIAL, BIOHEALTH, 1 Credit

Develop awareness of the elements of professional development, identify strategic areas for growth, and design an exploration plan. Emphasis is placed on being able to analyze career opportunities to determine the best mix of technical and professional skills needed for success as a biological science professional. Graded P/N. CROSSLISTED as BB 211/BHS 211.

Equivalent to: BB 211

BHS 255, *ALLIED HEALTH MICROBIOLOGY, 4 Credits

General properties of cellular microbes and viruses, microbial biochemistry and genetics, pathogenesis and disease, immunity, and microbial infections. Lecture and lab emphasis is on medical microbiology, infectious diseases, and public health. Not intended for biological sciences majors. Lec/lab. CROSSLISTED as BHS 255/MB 255.

Attributes: CPBS – Core, Pers, Biological Science

Equivalent to: MB 255

Available via Ecampus

BHS 316, PRINCIPLES OF IMMUNOLOGY, 3 Credits

Interactions of the innate and adaptive immune responses in the context of infectious diseases, autoimmune diseases, immunodeficiencies and immunotherapies. This course is designed for non-microbiology majors.

Prerequisite: MB 230 with C- or better or ((BI 212 with C- or better or BI 212H with C- or better) and (BI 213 [C-] or BI 213H [C-])) or (BI 204 [C-] and BI 205 [C-]) or ((BI 221 [C-] or BI 221H [C-]) and (BI 222 [C-] or BI 222H [C-]))

Available via Ecampus

BHS 320, HUMAN BACTERIOLOGY, 4 Credits

Properties of bacteria, their biology, pathogenesis and concern to society. Emphasis on the role of bacteria in human health and disease. CROSSLISTED as BHS 320/MB 320.

Prerequisite: (BI 204 with C- or better and BI 205 [C-] and BI 206 [C-]) or ((BI 211 [C-] or BI 211H [C-]) and (BI 212 [C-] or BI 212H [C-]) and (BI 213 [C-] or BI 213H [C-])) or ((BI 221 [C-] or BI 221H [C-]) and (BI 222 [C-] or BI 222H [C-]) and (BI 223 [C-] or BI 223H [C-]))

Equivalent to: MB 320

Available via Ecampus

BHS 323, ^MICROBIAL INFLUENCES ON HUMAN HEALTH, 3 Credits

How microorganisms contribute in beneficial and detrimental ways to human health. Emphasis on microbial contributions to cancer, gut health, chronic infection and autoimmune diseases. This course is part of the Writing Intensive Curriculum for the BioHealth Sciences major. (Writing Intensive Course)

Attributes: CWIC – Core, Skills, WIC

Prerequisite: MB 302 with D- or better or (BB 314 with D- or better or BB 314H with D- or better) or BB 450 with D- or better

Available via Ecampus

BHS 329, MECHANISMS OF DISEASE: INTRODUCTION TO GENERAL PATHOLOGY, 3 Credits

An introduction to basic principles of disease, focused on structural and functional changes of cells, tissues and organs, and their relationships to clinical disease. The emphasis of the course is at the cellular to organ level, but will cover some on molecular mechanisms as pertinent.

Prerequisite: ((BI 211 with D- or better or BI 211H with D- or better) and (BI 212 [D-] or BI 212H [D-])) or ((BI 221 [D-] or BI 221H [D-]) and (BI 222 [D-] or BI 222H [D-]))

Available via Ecampus

BHS 340, HUMAN VIROLOGY, 4 Credits

Properties of viruses, their biology, pathogenesis and concern to society. Emphasis on viruses causing human disease. CROSSLISTED as BHS 340/MB 340.

Prerequisite: (BI 204 with C- or better and BI 205 [C-] and BI 206 [C-]) or ((BI 211 [C-] or BI 211H [C-]) and (BI 212 [C-] or BI 212H [C-]) and (BI 213 [C-] or BI 213H [C-])) or ((BI 221 [C-] or BI 221H [C-]) and (BI 222 [C-] or BI 222H [C-]) and (BI 223 [C-] or BI 223H [C-]))

Equivalent to: MB 340

Available via Ecampus

BHS 401, RESEARCH, 1-16 Credits

Equivalent to: GS 401

This course is repeatable for 16 credits.

BHS 403, THESIS, 1-16 Credits

Equivalent to: GS 403

This course is repeatable for 16 credits.

BHS 405, READING AND CONFERENCE, 1-16 Credits

Equivalent to: GS 405

This course is repeatable for 16 credits.

BHS 406, PROJECTS, 1-16 Credits

Graded P/N.
This course is repeatable for 16 credits.

BHS 407, SEMINAR, 1-16 Credits

Graded P/N.
Equivalent to: GS 407
This course is repeatable for 16 credits.

BHS 410, SCIENCE INTERNSHIP, 1-12 Credits

Supervised scientific work experience at selected cooperating institutions, agencies, laboratories, or companies. Graded P/N.
Equivalent to: GS 410
This course is repeatable for 12 credits.

BHS 415, ONE HEALTH IN PRACTICE, 3 Credits

One health is the concept that human, animal and environmental health are all intertwined. Utilizes current one health issues such as disease outbreaks and antimicrobial resistance to encourage students from diverse fields to develop interdisciplinary collaboration and communication skills. CROSSLISTED as BHS 415/VMB 415.
Equivalent to: VMB 415
Recommended: At least third-year standing.

BHS 499, SPECIAL TOPICS, 1-16 Credits

This course is repeatable for 16 credits.