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)
Students will 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/ NP. CROSSLISTED as BHS 211/BB 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 MB 255.
Attributes: CPBS – Core, Pers, Biological Science

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. Prerequisites: 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-]).
Attributes: CWIC – Core, Skills, WIC

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
Prerequisites: 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

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. Prerequisites: (BI 211 with D- or better or BI 211H with D- or better) and (BI 212 [D-] or BI 212H [D-])

BHS 340. HUMAN VIROLOGY. (4 Credits)
Properties of viruses, their biology, pathogenesis and concern to society. Emphasis on viruses causing human disease. CROSSLISTED as MB 340.
Prerequisites: (BI 204 with C- or better and BI 205 [C-] and BI 206 [C-]) or (BI 211 [C-] and BI 212 [C-] and BI 213 [C-])
Equivalent to: MB 340

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 VMB 415.
Equivalent to: VMB 415
Recommended: At least third-year standing.

BHS 499. SPECIAL TOPICS. (1-16 Credits)
Graded P/N.
This course is repeatable for 16 credits.