HBM

Molecular Genetics and Microbiology

HBM 320 General Microbiology
A study of the molecular structure, functional anatomy, growth, genetics, and pathogenic mechanisms of microorganisms, with an emphasis on bacteria and viruses. Non-specific and specific host defenses and the control of microorganisms will also be covered. Satisfies the microbiology requirement for admission to most allied health, nursing, optometry, and veterinary medicine professional schools.
Prerequisites: BIO 202; CHE 132
3 credits

HBM 321 General Microbiology Laboratory
Complementing the lecture material of HBM 320, this optional laboratory covers basic and applied microbiological methods. Students are introduced to methods for isolating pure cultures, microscopy and staining, quantitation of bacteria and determination of sensitivity to antimicrobial agents. This laboratory is limited to pre-allied health, pre-nursing, and pre-veterinary students.
Prerequisites: BIO 202; CHE 132; permission of instructor
1 credit

HBM 393 Special Topics from the Microbiology Literature
Tutorial readings in microbiology with periodic conferences, reports, and examinations arranged with the instructor. Semester project report required. May be repeated.
Prerequisites: U3 or U4 standing; permission of instructor
1-2 credits

HBM 394 Special Topics from the Microbiology Literature
Tutorial readings in microbiology with periodic conferences, reports, and examinations arranged with the instructor. May be repeated.
Prerequisites: U3 or U4 standing; permission of instructor
1-2 credits

HBM 398 Research Project in Microbiology
An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. The student is expected to prepare a report on the project and be able to discuss his or her work. May be repeated. Prerequisites: Laboratory experience.
Prerequisites: U3 or U4 standing; laboratory experience; permission of supervising instructor
0-4 credits

HBM 399 Research Project in Micropharmacology
An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. Project report required. May be repeated. Prerequisites: U3 or U4 standing; prior laboratory experience; permission of instructor
0-3 credits

HBP

An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. Project report required. May be repeated. Prerequisites: U3 or U4 standing; prior laboratory experience; permission of instructor
0-3 credits

HBP 393 Special Topics from Pathology Literature
Tutorial readings in pathology, with periodic conferences, reports, and examinations arranged with the instructor. May be repeated.
Prerequisites: U3 or U4 standing; permission of instructor
1-2 credits

HBP 394 Special Topics from Pathology Literature
Tutorial readings in pathology, with periodic conferences, reports, and examinations arranged with the instructor. May be repeated.
Prerequisites: U3 or U4 standing; permission of instructor
1-2 credits

HBP 398 Research Project in Pathology
An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. The student is expected to prepare a report on the project and be able to discuss his or her work. May be repeated. Prerequisites: Laboratory experience.
Prerequisites: U3 or U4 standing; laboratory experience; permission of supervising instructor
0-4 credits

HBP 399 Research Project in Pathology
An independent research project under faculty supervision, with emphasis on the principles of experimental design, data collection, evaluation of findings, and reporting of results. Project report required. May be repeated. Prerequisites: U3 or U4 standing; prior laboratory experience; permission of instructor
0-3 credits

HBP 405 Studies in Pathology Literature
May be repeated as the topic changes. Prerequisites: HBP 311 or 312
3 credits

HBP 415 The History of the Hebrew Language
Readings and discussion (in Hebrew) of selections from Biblical, post-Biblical, and modern literature; lectures and discussion (in English) on the changes of sentence structure, meaning, sound, and style from one period to another. Particular attention is given to classicism, innovation, and restructuring in the rise of modern Hebrew.
Prerequisites: HBP 311
3 credits

HBP 447 Directed Readings in Hebrew
Intensive study of a particular author, period, or genre of Hebrew literature in the original under close faculty supervision. May be repeated. Prerequisite: Permission of director
1-4 credits

HBP 475 Undergraduate Teaching Practicum I
Work with a faculty member as an assistant in one of the faculty member’s regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. Students may not serve as teaching assistants in the same course twice.
Prerequisites: U3 or U4 standing; permission of instructor
3 credits, SU grading

HBP 476 Undergraduate Teaching Practicum II
Work with a faculty member as an assistant in one of the faculty member’s regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. In HBP 476, students assume greater responsibility in such areas as leading discussions and analyzing results of tests that have already been graded. Students may not serve as teaching assistants in the same course twice.
Prerequisites: HBP 475; permission of instructor
3 credits, SU grading

HBW

An introduction to modern Hebrew as currently spoken and written in Israel, stressing pronunciation, speaking, listening comprehension, reading, and writing. Prerequisite: HBW 111
3 credits

HBW 110 Elementary Hebrew II
An introduction to modern Hebrew as currently spoken and written in Israel, stressing pronunciation, speaking, listening comprehension, reading, and writing. Prerequisite: HBW 111
3 credits

HBW 111 Elementary Hebrew I
Intermediate courses in conversation, composition, and the reading of texts in modern Hebrew. Prerequisite: HBW 112
3 credits

HBW 112 Elementary Hebrew II
Intermediate courses in conversation, composition, and the reading of texts in modern Hebrew. Prerequisite: HBW 211
3 credits

HBW 211 Intermediate Hebrew I
A course in the active use of spoken and written Hebrew. Readings of classics in the Hebrew language. Discussion is conducted mainly in Hebrew. Prerequisite: HBW 212
3 credits

HBW 212 Intermediate Hebrew II
Readings in modern Hebrew authors. Oral and written reports. Discussion is conducted mainly in Hebrew. Prerequisite: HBW 311
3 credits

HBW 311 Advanced Hebrew I
A course in the active use of spoken and written Hebrew. Readings of classics in the Hebrew language. Discussion is conducted mainly in Hebrew. Prerequisite: HBW 212
3 credits

HBW 312 Advanced Hebrew II
An introduction to modern Hebrew as currently spoken and written Hebrew. Readings of classics in the Hebrew language. Discussion is conducted mainly in Hebrew. Prerequisite: HBW 212
3 credits

HBW 475 Undergraduate Teaching Practicum I
Work with a faculty member as an assistant in one of the faculty member’s regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. Students may not serve as teaching assistants in the same course twice.
Prerequisites: U3 or U4 standing; permission of instructor
3 credits, SU grading

HBW 476 Undergraduate Teaching Practicum II
Work with a faculty member as an assistant in one of the faculty member’s regularly scheduled classes. The student is required to attend all the classes, do all the regularly assigned work, and meet with the faculty member at regularly scheduled times to discuss the intellectual and pedagogical matters relating to the course. In HBW 476, students assume greater responsibility in such areas as leading discussions and analyzing results of tests that have already been graded. Students may not serve as teaching assistants in the same course twice.
Prerequisites: HBW 475; permission of instructor
3 credits, SU grading

www.stonybrook.edu/ugbulletin 401

As printed January 2007