BIOMEDICAL INFORMATICS

Courses

All courses are 3.0 credit units, except BMIF 898, which is 6.0 credit units.

BMIF 801 Programming Skills and Tools for Processing Biomedical Data
The objective of this course is to provide graduating health science students hands-on training in computer programming languages and tools to familiarize them with the principles and practice of cutting edge technologies for bioinformatics used in biomedical and molecular sciences research. (3.0 credit units)

BMIF 802 Biomedical Data Analysis
The objective of this course is to provide graduating health science students hands-on training in the analysis of biomedical datasets to familiarize them with the principles and practice of cutting edge technologies for bioinformatics used in biomedical and molecular sciences research. (3.0 credit units)

BMIF 803 Data Mining and Applications
The objective of this course is to provide graduating health science students with hands-on training in data mining to familiarize them with the principles and practice of cutting edge technologies for bioinformatics used in biomedical and molecular sciences research.(3.0 credit units)

BMIF 804 Medical Imaging Informatics
This course will deliver the foundations, principles, and practices of medical imaging, their acquisition, management, exploration, analysis and interpretation with focus on practical tools and informatics skills. (3.0 credit units) PREREQUISITE: Permission of the School and enrollment in the Professional Diploma program in Biomedical Informatics.

BMIF 898 Master's Project
A major programming project is undertaken under the supervision of a School member. The presentation of a seminar to describe the project is required. (6.0 credit units)