UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clerkship 1

2425-1-H4102D006

Aims

Chemistry and Propaedeutic Biochemistry II : Practical laboratory activities useful for medical students.

Cellular and Molecular Biology: The course will provide the essential basic theoretical knowledge of biology focusing on future applications in the biomedical field.

Basic Computer Science: Practical laboratory activities with computers and personal applications.

Contents

Chemistry and Propaedeutic Biochemistry II : To learn basic practical laboratory activities useful for medical students, including basic knowledge and practical aspects of clinical proteomics.

Cellular and Molecular Biology: The content of the course will involve relevant biotechnological techniques and their applications in the biomedical field.

Basic Computer Science: Practice the knowledge of computer-related methodologies and technologies employed in medical informatics and to apply those methods in solving problems arising in different areas of medicine and the health-care system (starting from personal use).

Detailed program

Chemistry and Propaedeutic Biochemistry II : please consult the module syllabus

Cellular and Molecular Biology: please consult the module syllabus

Basic Computer Science: please consult the module syllabus

Prerequisites

The attended Chemistry, cell biology and propedeutical biochemistry courses.

Cellular and Molecular Biology: Basic scientific knowledge (basic biology, chemistry, physics)

Basic Computer Science: Basic knowledge in the use of computers. Attendance of the Basic Computer Science course

Teaching form

Chemistry and Propaedeutic Biochemistry II : please consult the module syllabus.

Cellular and Molecular Biology: please consult the module syllabus.

Basic Computer Science:please consult the module syllabus

Textbook and teaching resource

Cellular and Molecular Biology: Primary research articles and reviews

Basic Computer Science: Flora R. Heathcote, O.H.U Heathcot, Pat M. Heathcote, R.P. Richards, Pass ECDL 5 Units 1-7 Paperback, Editor Alex Sharpe;

Semester

First semester

Assessment method

The final grade is ELIGIBLE / NOT ELIGIBLE. Eligibility is achieved by having obtained the eligibility of all the three modules of Clerkship 1.

Chemistry and Propaedeutic Biochemistry II : Assignments will be given based on discussion of the laboratory activity.

Cellular and Molecular Biology: Evaluation of presentations and related group discussions

Basic Computer Science: To have Clerkship1 - BCS module eligibility, the student must attend 70% of the Clerkship1 - BCS module lessons.
If the student is unable to attend the course (e.g. due to late enrolment), eligibility will be acquired upon passing the BCS module exam (course number: yyYY-1-H4102D004-H4102D010M).

Office hours

Upon appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING