



Molecular Biotechnology and Bioinformatics

First year second welcome meeting



Today's meeting

- Key resources
- Have you fulfilled the B2 requirements?
- MBB Students representatives
- Surveys
- Study Plan
- Thesis



Key resources

- <https://mbb.cdl.unimi.it/en> (be curious about what you are studying)
- <https://www.unimi.it/en/study/student-services> (find help and ask questions)
- <https://www.unimi.it/en/international/coming-abroad/international-students-office-welcome-desk>
- <https://www.unimi.it/en/education/university-guidance/university-system/academic-calendar>
- <https://unimia.unimi.it/> (you in the university)
- <https://ariel.unimi.it> (teaching material)
- <https://www.unimi.it/en/education/university-guidance/cosp-university-study-and-career-guidance-service> (study and career guidance)

dig in websites, information is not always immediately accessible, but almost always there



Have you fulfilled the B2 requirements?

B1 is the English level for enrolment, **B2** is the English level required for **access the thesis dissertation** session

Students enrolled in the first year of the master's degree without a valid B2 language certificate must take the **Placement Test** (SLAM). You must take the test between **October and January**

Important notice:

students who do not take the Placement Test within the deadline cannot take the test in the following years and will have to obtain a language certificate.

How to apply

Once enrolled, students who have to take the Placement test will receive a message at their email address: name@studenti.unimi.it with the relevant information.

Students have to register for the Placement test through their personal account with Unimia.

<https://www.unimi.it/en/study/language-proficiency/placement-tests-entry-tests-and-english-courses>



MBB STUDENTS REPRESENTATIVES

We now have three representatives for MBB

Students representative can provide a direct feedback to the MBB/QB governance, this is very important!

Tiffany Misaida Griffone	Year I	tiffanymisaida.griffone@studenti.unimi.it
Elli Ioanna	Year I	elliioanna.doulgeraki@studenti.unimi.it
Camilla Ardizzone	Year II	camilla.ardizzone@studenti.unimi.it



Surveys



- ▶ Filling each course survey is a requirement to access exams
- ▶ Please do not wait the last moment but instead possibly reply at the end of each course
- ▶ Survey must be filled through the University's survey service or Unimia personal page.
- ▶ Completely anonymous, we receive only aggregated data. The data provide a feedback to each lecturer but are also analysed collectively by the governance of QB/MBB.
- ▶ The data are also analysed by the Joint Teaching Staff-Student Committee

How to create your personalized study plan

Fill in February 2025 (from 1 to 28) via UNIMIA, it will be approved in the spring.

Rules for compilation (The final ECTS must be between 120 and 122!):

1. Add the compulsory 8 courses (total 56 ECTS) + English proficiency (3 ECTS) + thesis placement (39 ECTS): total 98 ECTS

2. Select at least 2 of the 6 ECTS courses from the “Optional activities” list (12 ECTS or more)

3. Select up to 10-12 ECTS in elective courses, choosing from any course offered from the university of Milan

Elective course must be:

-Coherent with MBB (Not overlapping with others in the study plan, no 4E+ summer schools, no exams from BCG* or PL* - the shared degree with polytechnic school and with UGA - no 9 ECTS courses, no courses from Bachelors or too far of the topic, no language courses)

*except advanced genomics and epigenomics (12ECTS) or neurogenomics, Basic Statistics and Experimental design, Development of Crop Ideotypes, Environmental Plant Biochemistry and Physiology (all 6ECTS)

- 4 ECTS can be acquired as “attendance of a research lab”. It could be your master thesis lab if extra training is needed - (100 hrs or 2 and a half weeks full time).

<https://mbb.cdl.unimi.it/en/courses/educational-plan>





Soft skills courses

You can also chose course from this list, in particular

- Developing soft skills in science: case-studies from microbial biotechnology
- Pari opportunità e carriere scientifiche
- Prevenzione e gestione dei conflitti ambientali: strategie e strumenti collaborativi
- Data Visualization Narratives

<https://mbb.cdl.unimi.it/en/courses/soft-skills>

Good example: 120 ECTS

ESAMI OBBLIGATORI SCEGLIBILI (15 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
F1B09- - MACROMOLECULAR STRUCTURAL BIOLOGY	6	NO
F1B0D- - PATENTING AND TECHNOLOGY TRANSFER	6	NO

Gruppo 2

Attività formativa	CFU	Sost.
F7Y0F- - ENGLISH PROFICIENCY	3	NO

ATTIVITA LIBERE (6 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
F9Y0G- - STEM CELLS AND GENETIC DISEASES	6	NO

ALTRE ATTIVITA LIBERE (4 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
F1BL00 - Attendance of a research laboratory	4	NO

Good example: 122 ECTS

ESAMI OBBLIGATORI SCEGLIBILI (15 CFU)

Gruppo 1

Attivita formativa	CFU	Sost.
F1B01- - ADVANCED BIOINFORMATICS FOR BIOTECHNOLOGY	6	NO
F1B0B- - MOLECULAR BREEDING AND PLANT GENETICS	6	NO

Gruppo 2

Attivita formativa	CFU	Sost.
F7Y0F- - ENGLISH PROFICIENCY	3	SI

ATTIVITA LIBERE (12 CFU)

Gruppo 1

Attivita formativa	CFU	Sost.
F1B09- - MACROMOLECULAR STRUCTURAL BIOLOGY	6	NO
F9Y0G- - STEM CELLS AND GENETIC DISEASES	6	NO

Horror stories: Too many - too little CFUs

ATTIVITA LIBERE (12 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
D570B-- EPIDEMIOLOGY, PATHOGENESIS AND DIAGNOSTICS OF CANCER	6	NO
F9Y0G- - STEM CELLS AND GENETIC DISEASES	6	NO

ALTRE ATTIVITA LIBERE (4 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
F1BL00 - Attendance of a research laboratory	4	NO

Lo studente, su indicazione della commissione piano di studi, rimuove il corso D570B EPIDEMIOLOGY, PATHOGENESIS AND DIAGNOSTICS OF CANCER dalle attività a scelta libera.

ATTIVITA LIBERE (9 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
B7806-- HR INFORMATION SYSTEMS	9	SI

ALTRE ATTIVITA LIBERE (4 CFU)

Gruppo 1

Attività formativa	CFU	Sost.
F1BL00 - Bioinformatics course(F943K-)	4	SI

Lo studente, con il consenso della commissione, sostituisce gli insegnamenti precedentemente inseriti con i seguenti:
D570G- CANCER IMMUNOLOGY (IMM), 6 CFU, SOSTENUTO
F943K- BIOINFORMATICS, 6 CFU, SOSTENUTO

Horror stories: Inappropriate courses

ATTIVITA LIBERE (6 CFU)

Gruppo 1

Attivita formativa	CFU	Sost.
G640R- - DEVELOPING SOFT SKILLS IN SCIENCE: CASE-STUDIES FROM MICROBI	6	NO

ALTRE ATTIVITA LIBERE (4 CFU)

Gruppo 1

Attivita formativa	CFU	Sost.
F1BL00 - 4EU+ Alliance online Course "Thinking AI: bringing together ethical, legal and social aspects of AI"	3	NO
F1BL00 - Attendance of a research laboratory	+ 4	NO

La studentessa modifica il piano di studi come riportato più sopra con il consenso della commissione

ATTIVITA LIBERE (12 CFU)

Gruppo 1

Attivita formativa	CFU	Sost.
K0106A - UNITÀ DIDATTICA 1 DI LINGUISTICA ITALIANA	3	NO
K022K - LINGUA ITALIANA PER STRANIERI I	9	NO

Lo studente, con il consenso della commissione piano di studi, sostituisce gli insegnamenti precedentemente inseriti con i seguenti:

F1B0J- - STRUCTURAL BIOINFORMATICS, 6 CFU, NON SOSTENUTO
F1BL00 - Attendance of a research laboratory, 4 CFU, NON SOSTENUTO



Thesis

- ▶ OpenLabs (twice a year)
- ▶ Last 9-12 months including writing
- ▶ At first only internal thesis are shown (this may change)
- ▶ Later external thesis project are made available
- ▶ For the thesis you always need an internal supervisor that must be a professor from MBB or from the department of bioscience
- ▶ Website <http://tesi.bioscienze.unimi.it>
- ▶ Do not worry, this will be announced
- ▶ Do not RUSH FOR A THESIS PROJECT: supervisor will require to have passed enough exams, and this is wise for you.
- ▶ For thesis outside the university (CNR, other research centers, companies, as well as abroad) you need to go via COSP. Still you need an internal supervisor.
- ▶ Erasmus+ can also be used for thesis