



Molecular Biotechnology and Bioinformatics

First year first welcome meeting



Year Progression



- FIRST SEMESTER (till mid Jan)
- WINTER EXAMS SESSION (JAN-FEB)
- STUDY PLAN SUBMISSION (FEB)
- SECOND SEMESTER (till early June)
- OpenLABS (presentation of departmental thesis opportunities (APRIL-MAY)
- SUMMER EXAMS SESSION (JUN-JUL-SEP)
- OpenLABS (OCT)
- THIRD SEMESTER
- FOURTH SEMESTER
- THESIS DISCUSSION AND DEGREE



MB&B: overview of the program

- 56 CFU compulsory courses
- 12 CFU elective courses from MBB
- 12 CFU free choice courses from UNIMI (including MBB)
 - Language courses (Italian as a foreign language 3 CFU)
 - Other activities (including Erasmus+ online training, attendance of departmental Friday seminars, soft skill courses from UNIMI)
- 37-40 CFU of thesis internship
- Total must be 120 CFU



What is this CFU/ECTS unit?

- **1 ECTS is equivalent to 25 hours of dedicated time.** If one course provides 6 ECTS and there are 48 hours of lectures
 - 25 hours x 6 ECTS = 150 hours of dedicated time
 - 150 hours – 48 hours of lectures = 102 hours of study
- **We envisage that you will need to spend ~100 hours working on the lecture topics. How could you MASTER it otherwise?**

MB&B: overview of the program

Year: 1 Year: 2 Optional programme year

First semester

Courses or activities	ECTS	Total hours	Language
Compulsory			
Biotechnological products and processes	6	48	English
Functional genomics and bioinformatics	10	88	English
Methods in bioinformatics	6	48	English
Molecular and cellular microbiology	6	48	English
Rational design and structural characterization of bioactive molecules	6	48	English

Second semester

Courses or activities	ECTS	Total hours	Language
Compulsory			
Advanced molecular and cellular biotechnology	10	80	English
Advanced plant cell biotechnology	6	48	English
Protein engineering and molecular enzymology	6	48	English


MB&B: overview of the program

Second semester

Advanced Bioinformatics for Biotechnology	6	48	English	BIO/11 INF/01
<u>Macromolecular Structural Biology</u>	6	64	English	BIO/10
Molecular Breeding and Plant Genetics	6	48	English	AGR/07 BIO/18


Patenting and technology transfer

Optional				
Bioimaging	6	56	English	FIS/03 FIS/07
Biotechnological and Molecular Strategies in the Control of Parasites and Vector-Borne Pathogens	6	48	English	VET/06
Nanotechnology for Biomedical Applications and Biosensors	6	48	English	CHIM/01 CHIM/06
Structural Bioinformatics	6	56	English	FIS/07

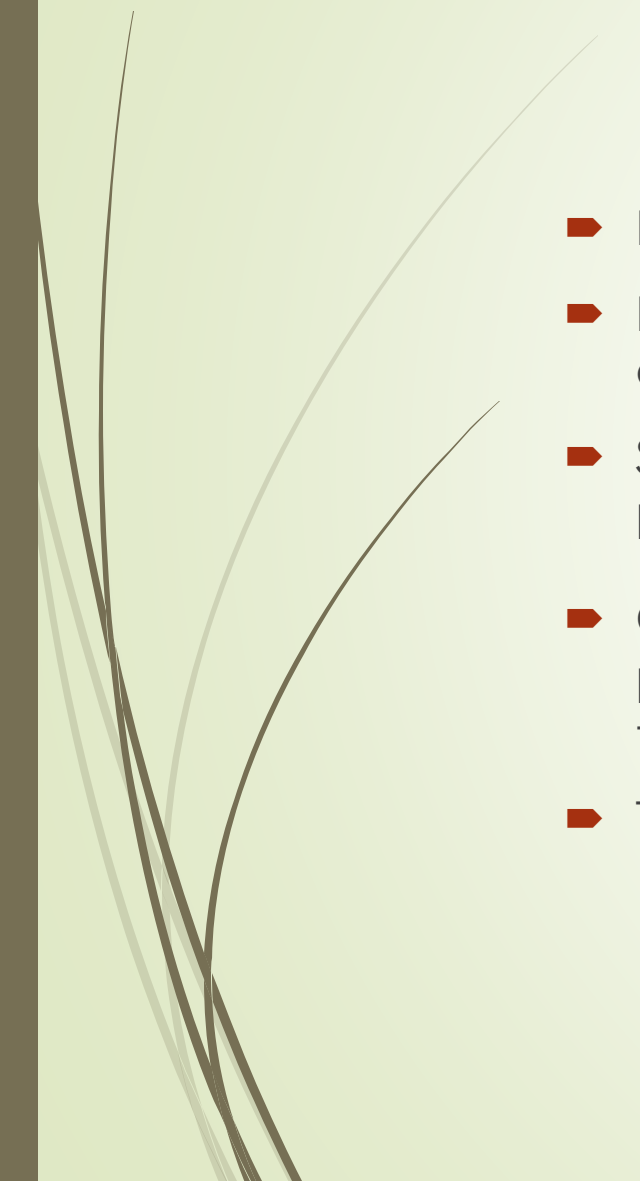


Exams, When? (in general)

- ▶ Exams are scheduled at the end of each semester (Jan-Feb and Jun-Jul, Sep).
- ▶ Scheduled exams are announced a few months in advance (check UNIMIA).
- ▶ There are 6 to 7 exam calls per course.
- ▶ There are NO EXAMS outside the scheduled calls and the selected periods.
- ▶ Exams must be in person
- ▶ PLAN YOUR EXAMS WELL, MISSING CREDITS FOR DSU SCHOLARSHIP RENEWAL IS NOT A VALID MOTIVATION TO ASK FOR ADDITIONAL EXAM CHANCES



Exams & 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



STUDENTS REPRESENTATIVES (BE INVOLVED!)

You have a representative among the second-year students

elliioanna.doulgeraki@studenti.unimi.it

We would need one also from the first year

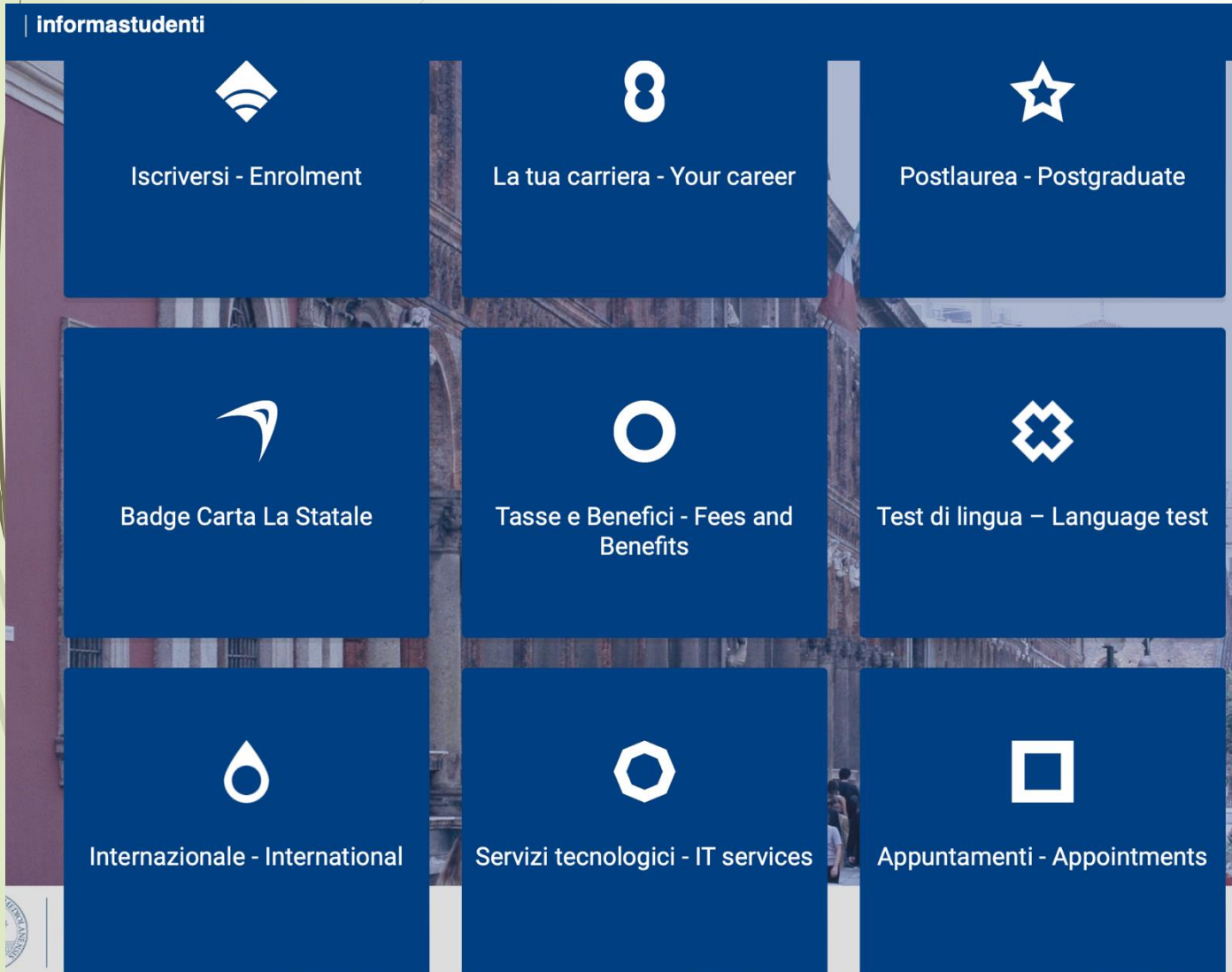


Key resources

- <https://mbb.cdl.unimi.it/en> (be curious about what you are studying)
- <https://www.unimi.it/en/study/student-services> (find answers 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)

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

<https://informastudenti.unimi.it>



Here you can find ANSWERS to most questions, and if not you can ASK

Questions are sent to the most appropriate person, that can also be our TEACHING OFFICE (Francesca and Alessandra)

ACADEMIC CONTACTS



Molecular Biotechnology and Bioinformatics

Master programme

[Programme](#)

[Application](#)

[Courses](#)

[Home](#) | [Programme](#) | **[Contact persons](#)**

Contact persons

[Governance](#)

[Tutor](#)

[Contacts](#)

[Students support](#)

Academic guidance tutor

[Camilloni Carlo](#)

[Chiara Matteo](#)

Erasmus and international mobility tutor

[Gregis Veronica](#)

[Horner David Stephen](#)

Study plan tutor

[Camilloni Carlo](#)

[Vaccari Thomas](#)



COSP (University Study and Career Guidance Service)

Careers and Employment Services

The University of Milan offers advice and provides internship, placement and career guidance services for students and graduates seeking work.

INTERNSHIPS
AND WORK EXPERIENCES

Students and graduates are entitled to do one or more work experiences in Institutions and Companies in Italy and Abroad
stage@unimi.it

PLACEMENT

Students and graduates seeking work can take advantage of two services provided by the COSP:

- Students and Graduates CVs database (Cv in english)
- Vacancies online board

CAREER GUIDANCE

Final year students and graduates from the University of Milan can receive career guidance and job-seeking advice through:

- Employment Information Service
- Meetings on job-hunting strategies

www.unimi.it



COSP (University Study and Career Guidance Service)

Study Support and Counseling

The University of Milan Study and Career Guidance Service (COSP) provides a range of services to support you during your studies:

STUDENT STUDY SUPPORT

We provide you access to academic learning support and skill development.

Whether it's support in mathematics, languages, exam techniques, essay writing or learning strategies, we can help you to acquire or enhance the skills you need to succeed in university studies.

INDIVIDUAL AND GROUP COUNSELING SERVICE

COSP can arrange individual and group counseling meetings, to help you focus on and understand more clearly the issues that concern or trouble you on your university life and studies.

Servizio.counseling@unimi.it

COSP (University Study and Career Guidance Service)

Disability and SLD Services

To ensure the right to study, equality and social integration within the university community, the University of Milan provides assistance and services to students who have specific learning disabilities (SLDs).

By submitting the necessary certification at the time of enrolment, and by registering with Disability and SLD Services, it is possible to utilize the facilities and exemptions provided, as well as services such as mobility support, and the specific resources provided by the university.

ufficiodisabili@unimi.it (students with Disabilities)

servizioudsa@unimi.it (students with SLD)





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DEGLI STUDI
DI MILANO

BENVENUTI

in Statale

Quality Assurance and Student Engagement

Students in the QA System



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DI MILANO



Student representatives sit in the bodies that coordinate and monitor QA processes

- Academic Board
- Review Group
- Joint Teaching Staff-Students Committee (CPDS)
- Department Board
- Independent Evaluation Unit (NdV)
- Quality Assurance Board (PQA)

<https://youtu.be/2qkRrWlwA08>

Student Engagement



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CPDS

It is made up of an equal number of students and faculty members. The members' names are posted to the study programme website

They draw up a report on the progress of the study programme, which is available to all enrolled students

They review the findings of the student survey

They can collect further reports to be brought to the attention of the Academic Board and the Department

Joint Teaching Staff-Students Committee

President:

- [Federica Marini](#)

Teachers representatives:

- [Chiara Zuccato](#)
- [Louise Gourlay](#)
- [Simona Masiero](#)
- [Alida Amadeo](#)
- [**Antonio Chaves \(MB&B\)**](#)
- [Mara Cucinotta](#)
- [Matteo Brilli](#)

Supervision of 8 Study Programmes:

- 1 Bachelor's degree (ita)
- 7 Master's degrees: 3 in Italian and 4 in English



Student Engagement

QA
delegate



He/she supports the Head of the Study Programme in coordinating its QA system

He/she engages in monitoring and data collection

He/she is part of the Review Group

He/she promotes the implementation of CPDS proposals and interaction between the CPDS and the study programme

Francesco Comandatore

Francesco.Comandatore@unimi.it

Reports and complaints

Student reports are considered as very important feedback with a view to continuously improving academic services: they are used as input for regular analyses transmitted to study programme boards, the Quality Assurance Board, and the General Manager.

Student reports are managed by a specific office, which involves the competent unit in the examination of the report.

If you file a report, you will receive an e-mail confirmation with the corresponding ID number after submitting the form online, and a second message within 5 working days, specifying when the investigation is expected to close and whether any further checks are required.

Turnaround times may be longer during the periods of suspension of educational activities set out in the academic calendar.

 [The academic calendar](#)

A dedicated reporting service is available.

[File a report](#)

The procedure cannot be used for information on admission tests, enrolment, transfer, tuition fees, scholarships, online services, or any matters related to student careers. For these requests, please use [Informastudenti](#).

<https://mbb.cdl.unimi.it/en/programme/contact-persons>