

## DEPARTMENT OF BIOLOGY AND BIOTECHNOLOGY

# MASTER'S DEGREE COURSE IN MOLECULAR BIOLOGY AND GENETICS (Classe LM-6)

STUDY PLAN COMPLIANT WITH THE RESOLUTION OF THE BOARD MEETING OF THE DEPARTMENT - 25<sup>h</sup> MAY 2022 Academic Year 2022/2023 (Ministerial Decree 270/2004)

to fill in online when enrollment is complete between November 2th and November 30th 2022

#### ENROLLED IN 1ST YEAR IN ACADEMIC YEAR 2022/2023

#### **CURRICULUM MOLECULAR LIFE SCIENCES**

# I YEAR (59 C.F.U.)

| CODE   | TEACHING                             | CREDITS | SEMESTER | SSD<br>Scientific<br>disciplinary<br>sector | TAF Type of teaching activity |
|--------|--------------------------------------|---------|----------|---|-------------------------------|
| 500802 | Methods in Biochemistry              | 9       | I        | BIO/10                                      | Distinctive                   |
| 510322 | Structural Biology                   | 6       | Ι        | BIO/11                                      | Distinctive                   |
| 500810 | Microbial Genetics                   | 6       | Ι        | BIO/18                                      | Distinctive                   |
| 500805 | Advanced Molecular Biology           | 6       | II       | BIO/11                                      | Distinctive                   |
| 500190 | Bioinformatics                       | 6       | I        | ING-INF/06                                  | Related/<br>supplementary     |
| 500811 | Human Molecular Genetics             | 6       | II       | BIO/18                                      | Distinctive                   |
| 500812 | Molecular Pharmacology               | 6       | II       | BIO/14                                      | Distinctive                   |
| 510350 | Internship for experimental thesis A | 14      | II       |   | Language/Final test           |
|        |                                      |         |          |   |                               |
|        |                                      |         |          |   |                               |

## CURRICULUM MOLECULAR AND DIGITAL BIOLOGY

# I YEAR (54 C.F.U.)

| CODE   | TEACHING                         | CREDITS | SEMESTER | SSD<br>Scientific<br>disciplinary<br>sector | TAF Type of teaching activity |
|--------|----------------------------------|---------|----------|---|-------------------------------|
| 500190 | Bioinformatics                   | 6       | I        | ING-INF/06                                  | Related/<br>supplementary     |
| 500805 | Advanced Molecular Biology       | 6       | II       | BIO/11                                      | Distinctive                   |
| 500812 | Molecular Pharmacology           | 6       | II       | BIO/14                                      | Distinctive                   |
| 510324 | Statistics and Big Data Analysis | 9       | II       | BIO/11                                      | Distinctive                   |

|        | ONE OF THE FOLLOWING COURSES   |   |    |        |             |
|--------|--|---|----|--------|-------------|
| 510327 | Basic Molecular Biology  | 6 | I  | BIO/11 | Distinctive |
| 510322 | Structural Biology   | 6 | I  | BIO/11 | Distinctive |
|        | ONE OF THE FOLLOWING COURSES   |   |    |        |             |
| 510325 | Basic Biochemistry   | 6 | I  | BIO/10 | Distinctive |
| 500462 | Cellular Biochemistry  | 6 | I  | BIO/10 | Distinctive |
|        | ONE OF THE FOLLOWING COURSES   |   |    |        |             |
| 510326 | Basic Genetics and Cell Biology  | 6 | II | BIO/18 | Distinctive |
| 500811 | Human Molecular Genetics   | 6 | II | BIO/18 | Distinctive |
|        | ONE OF THE FOLLOWING COURSES   |   |    |        |             |
| 510328 | Basic Microbiology   | 6 | I  | BIO/19 | Distinctive |
| 500810 | Microbial Genetics   | 6 | I  | BIO/18 | Distinctive |
|        | ONE OF THE FOLLOWING ACTIVITIES  |   |    |        |             |
| 510351 | Other Activities-Soft Skills   | 3 | II |        | Other       |
| 509536 | Italian Language for Foreign Students (mandatory only for foreign student who don't know italian language) | 3 | II |        | Other       |

| Name and Surname matr.   |
|--|
| Form delivery date   |
| If you intend to make different choices from the ones foreseen, the study plan becomes individual; you therefore need to attach a revenue stamp of $\in$ 16 and the plan will need to be approved by the Teaching Committee. |
| (Insert the new exam in the empty spaces where you want to change and mark to eliminate the substituted exam. Specify type of teaching activity and scientific disciplinary sector.)   |
| APPROVED BY THE TEACHING COMMITTEE ON  |
| WE DECLARE THAT THE INDIVIDUAL PLAN IS COMPLIANT WITH THE TEACHING REGULATIONS OF THE COURSE OF STUDY IN RELATION TO THE ENROLLMENT ACADEMIC YEAR OF THE STUDENT (SCHEDA RAD).   |
| SIGNATURE OF THE PRESIDENT OF THE TEACHING COMMITTEE   |