



## UNIVERSITY OF SASSARI - DEPARTMENT OF BIOMEDICAL SCIENCES

## THREE-YEAR BACHELOR'S DEGREE IN BIOLOGICAL SCIENCES (class L13, code 1193)

Academic Year 2017/2018

## First Year - cohort 2017/2018

| Year | Seme<br>ster | Code     | Course Unit  | ECTS | Module<br>code | Module    | TAF | SSD     | Module<br>ECTS | Lecturer                 | Length (h) | Private<br>study (h) |
|------|--------------|----------|--|------|----------------|-----------|-----|---------|----------------|--------------------------|------------|----------------------|
| 1    | 1            | 40000936 | General Chemistry                                      | 7    | --             | --        | A   | CHIM/03 | 7              |                          | 60         | 115                  |
| 1    | 1            | 40001184 | Cytology and Histology                                 | 12   | 40000946       | Cytology  | A   | BIO/06  | 6              | Gian Luigi Sciola        | 52         | 98                   |
|      |              |          |  |      | 40000947       | Hystology | A   | BIO/06  | 6              | Alessandra Spano         | 52         | 98                   |
| 1    | 1            | 40000691 | Mathematics  | 7    | --             | --        | A   | MAT/05  | 7              | Francesca Maria Gladiali | 64         | 111                  |
| 1    | 2            | 40000635 | Animal Biology   | 7    | --             | --        | A   | BIO/05  | 7              |                          | 56         | 119                  |
| 1    | 2            | 40000637 | Plant Biology  | 8    | --             | --        | B   | BIO/01  | 8              | Diego Maria Albani       | 68         | 132                  |
| 1    | 2            | 40000646 | Organic Chemistry                                      | 6    | --             | --        | A   | CHIM/06 | 6              |                          | 52         | 98                   |
| 1    | 2            | 40000672 | Physics  | 7    | --             | --        | A   | FIS/07  | 7              | Valeria Sipala           | 64         | 111                  |
| 1    | --           | 40004117 | Other Useful Knowledge for the World of Work Inclusion | 3    | --             | --        | F   | NN      | 3              |                          | 75         | 0                    |
| 1    | --           | 40004077 | Student Optional Activities                            | 12   | --             | --        | D   | NN      | 12             |                          | 96         | 204                  |

## Second Year - cohort 2016/2017

| Year | Seme<br>ster | Code     | Course Unit  | ECTS | Module<br>code | Module  | TAF | SSD    | Module<br>ECTS | Lecturer                    | Length (h) | Private<br>study (h) |
|------|--------------|----------|--|------|----------------|---|-----|--------|----------------|-----------------------------|------------|----------------------|
| 2    | 1            | 40000242 | Biochemistry   | 9    | --             | --  | A/B | BIO/10 | 9              | Laura Manca                 | 80         | 145                  |
| 2    | 1            | 40000004 | Genetics   | 9    | --             | --  | A   | BIO/18 | 9              | Paolo Francalacci           | 80         | 145                  |
| 2    | 1            | 40000537 | Statistics   | 6    | --             | --  | C   | MED/01 | 6              | Maria Giuliana Solinas      | 56         | 94                   |
| 2    | 2            | 40000085 | Anatomy  | 12   | 40000000       | Human Anatomy                                 | B   | BIO/16 | 6              | Vittorio Lorenzo Mazzarello | 52         | 173                  |
|      |              |          |  |      | A000082        | Developmental Biology and Comparative Anatomy | B   | BIO/06 | 6              | Gian Luigi Sciola           | 48         | 102                  |
| 2    | 2            | 40000178 | Molecular Biology                                      | 8    | --             | --  | B   | BIO/11 | 8              | Ciro Iaccarino              | 68         | 132                  |
| 2    | 2            | 40000592 | Systematic Botany                                      | 7    | --             | --  | B   | BIO/02 | 7              | Malvina Urbani              | 60         | 115                  |
| 2    | --           | 40004117 | Other Useful Knowledge for the World of Work Inclusion | 3    | --             | --  | F   | NN     | 3              |                             | 75         | 0                    |

## Third Year - cohort 2015/2016

| Year | Seme<br>ster | Code     | Course Unit  | ECTS | Module<br>code | Module | TAF | SSD      | Module<br>ECTS | Lecturer                     | Length (h) | Private<br>study (h) |
|------|--------------|----------|--|------|----------------|--------|-----|----------|----------------|------------------------------|------------|----------------------|
| 3    | 1            | 40002739 | Clinical Biochemical Analysis                          | 6    | --             | --     | C   | BIO/12   | 6              | Pierina De Muro              | 56         | 94                   |
| 3    | 1            | 40000873 | General Physiology                                     | 9    | --             | --     | A   | BIO/09   | 9              | Antonella Pantaleo           | 80         | 145                  |
| 3    | 1            | 40000179 | General Microbiology                                   | 7    | --             | --     | C   | MED/07   | 7              | Leonardo Antonio Sechi       | 60         | 115                  |
| 3    | 2            | 40003882 | Linguistic Skill (English)                             | 6    | --             | --     | E   | NN       | 6              |                              | 70,5       | 79,5                 |
| 3    | 2            | 40000951 | Ecology  | 7    | --             | --     | B   | BIO/07   | 7              | Antonella Gesuina Laura Lugl | 60         | 115                  |
| 3    | 2            | 40003466 | General Hygiene  | 6    | --             | --     | B   | MED/42   | 6              | Maria Dolores Masia          | 52         | 98                   |
| 3    | --           | 40004117 | Other Useful Knowledge for The World of Work Inclusion | 3    | --             | --     | F   | NN       | 3              |                              | 75         | 0                    |
| 3    | --           | 40005035 | Final Test   | 6    | --             | --     | E   | PROFIN_S | 6              |                              | 0          | 150                  |
| 3    | --           | 11000058 | Traineeship  | 13   | --             | --     | F   | NN       | 13             |                              | 156        | 169                  |



## UNIVERSITY OF SASSARI - DEPARTMENT OF BIOMEDICAL SCIENCES

## THREE-YEAR BACHELOR'S DEGREE IN BIOTECHNOLOGY (class L2, code 1191)

Academic Year 2017/2018

## First Year - cohort 2017/2018

| Year | Seme<br>ster | Code     | Course Unit                                     | ECTS | Module<br>code | Module | TAF | SSD      | Module<br>ECTS | Lecturer               | Length (h) | Private<br>study (h) |
|------|--------------|----------|---|------|----------------|--------|-----|----------|----------------|------------------------|------------|----------------------|
| 1    | 1            | 40002790 | Cellular Biology                                | 7    | --             | --     | B   | BIO/06   | 7              | Gian Luigi Sciola      | 60         | 115                  |
| 1    | 1            | 40003682 | General and Inorganic Chemistry With Laboratory | 9    | --             | --     | A   | CHIM/03  | 9              | Antonio Zucca          | 80         | 145                  |
| 1    | 1            | 10310220 | Genetics  | 6    | --             | --     | A/B | BIO/18   | 6              | Paolo Francalacci      | 48         | 102                  |
| 1    | 1            | 40000424 | English Language                                | 3    | --             | --     | E   | L-LIN/12 | 3              | Patrizia Porcheddu     | 33         | 42                   |
| 1    | 1            | 40000691 | Mathematics                                     | 6    | --             | --     | A   | MAT/05   | 6              | Tim Joshua Steger      | 48         | 102                  |
| 1    | 2            | 10D70500 | Plant Biology                                   | 6    | --             | --     | B   | BIO/04   | 6              | Marianna Usai          | 52         | 98                   |
| 1    | 2            | A001477  | Biotechnology Applied to Entomology             | 6    | --             | --     | D   | AGR/11   | 6              | Luca Ruiu              | 48         | 102                  |
| 1    | 2            | 40000646 | Organic Chemistry                               | 6    | --             | --     | A   | CHIM/06  | 6              | Salvatore Camiolo      | 48         | 102                  |
| 1    | 2            | A001666  | Veterinary Diagnostic in Molecular Pathology    | 4    | --             | --     | D   | VET/03   | 4              | Stefano Rocca          | 32         | 68                   |
| 1    | 2            | 40000672 | Physics   | 6    | --             | --     | A   | FIS/07   | 6              |                        | 48         | 102                  |
| 1    | 2            | 40000537 | Statistics                                      | 6    | --             | --     | A   | MED/01   | 6              | Maria Giuliana Solinas | 48         | 102                  |

## Second Year - cohort 2016/2017

| Year | Seme<br>ster | Code     | Course Unit                                 | ECTS | Module<br>code | Module  | TAF | SSD    | Module<br>ECTS | Lecturer                    | Length (h) | Private<br>study (h) |
|------|--------------|----------|---|------|----------------|---|-----|--------|----------------|-----------------------------|------------|----------------------|
| 2    | 1            | 40000627 | Anatomy and Physiology                      | 12   | 40000000       | Human Anatomy                                     | B   | BIO/16 | 6              | Vittorio Lorenzo Mazzarello | 56         | 94                   |
|      |              |          |   |      | 40003472       | Fundamentals of Physiology of Animal Reproduction | B   | VET/02 | 6              | Salvatore Naitana           | 56         | 94                   |
| 2    | 1            | 11290004 | Biochemistry                                | 9    | --             | --  | A/B | BIO/10 | 9              | Laura Manca                 | 76         | 149                  |
| 2    | 1            | 10I10101 | Law and Patentability                       | 4    | --             | --  | B   | IUS/01 | 4              | Monica Maria Caterina Cossu | 32         | 68                   |
| 2    | 2            | 11290006 | Molecular Biology                           | 9    | --             | --  | A/B | BIO/11 | 9              | Ciro Iaccarino              | 76         | 149                  |
| 2    | 2            | 40003478 | Biotechnologies Applied to Plant Protection | 8    | --             | --  | B   | AGR/12 | 8              | Virgilio Balmas             | 72         | 128                  |
| 2    | 2            | 10D40580 | Agricultural Genetics                       | 7    | --             | --  | B/C | AGR/07 | 7              | Giovanna Attene             | 60         | 115                  |
| 2    | 2            | 40003471 | Applied and General Microbiology            | 8    | --             | --  | B   | MED/07 | 8              | Sergio Uzzau                | 72         | 128                  |

## Third Year - cohort 2015/2016

| Year | Seme<br>ster | Code     | Course Unit  | ECTS | Module<br>code | Module                    | TAF | SSD      | Module<br>ECTS | Lecturer                    | Length (h) | Private<br>study (h) |
|------|--------------|----------|--|------|----------------|---------------------------|-----|----------|----------------|-----------------------------|------------|----------------------|
| 3    | 1            | 40003344 | Microbial Biotechnologies  | 8    | --             | --                        | B/C | AGR/16   | 8              | Iliaria Maria Mannazzu      | 72         | 128                  |
| 3    | 1            | 10I10101 | Law and Patentability  | 4    | --             | --                        | B   | IUS/01   | 4              | Monica Maria Caterina Cossu | 32         | 68                   |
| 3    | 1            | 40003480 | Integrated Laboratory of Molecular and Biochemical Methodologies | 12   | 40003475       | Genetic Engineering       | B/C | BIO/11   | 6              | Claudia Crosio              | 56         | 94                   |
|      |              |          |  |      | 40000992       | Biochemical Methodologies | B   | BIO/10   | 6              | Paolo Mereu                 | 60         | 90                   |
| 3    | 2            | 40003478 | Biotechnologies Applied to Plant Protection                      | 8    | --             | --                        | B   | AGR/12   | 8              | Virgilio Balmas             | 72         | 128                  |
| 3    | 2            | 40003476 | General Pharmaceutical Chemistry                                 | 7    | --             | --                        | B   | CHIM/08  | 7              | Antonio Carta               | 64         | 111                  |
| 3    |              | 40005035 | Final Test   | 3    | --             | --                        | E   | PROFIN_S | 3              |                             | 0          | 75                   |
| 3    |              | 40002575 | Traineeship  | 14   | --             | --                        | F   | NN       | 14             |                             | 168        | 182                  |



## UNIVERSITY OF SASSARI - DEPARTMENT OF BIOMEDICAL SCIENCES

## TWO-YEAR MASTER'S DEGREE IN EXPERIMENTAL AND APPLIED BIOLOGY (class LM-6, code 1196)

Academic Year 2017/2018

## First Year - cohort 2017/2018

| Year | Semester | Code     | Course Unit                                      | ECTS | Module code | Module | TAF | SSD    | Module ECTS | Lecturer         | Length (h) | Private study (h) |
|------|----------|----------|--|------|-------------|--------|-----|--------|-------------|------------------|------------|-------------------|
| 1    | 1        | A000595  | Biochemistry and Interplay of Metabolic Pathways | 8    | --          | --     | B   | BIO/10 | 8           | Monica Pirastru  | 72         | 128               |
| 1    | 1        | 4000203  | Clinical Microbiology                            | 8    | --          | --     | B   | MED/07 | 8           | Pier Luigi Fiori | 68         | 132               |
| 1    | 2        | 4000209  | Medical Genetics                                 | 6    | --          | --     | C   | MED/03 | 6           |                  | 48         | 102               |
| 1    | 2        | 4000992  | Biochemical Methodologies                        | 6    | --          | --     | B   | BIO/10 | 6           | Marilena Formato | 56         | 94                |
| 1    | 2        | 20028069 | Applied Microbiology and Virology                | 4    | --          | --     | D   | BIO/19 | 4           | Daniele Dessi    | 36         | 64                |
| 1    | 2        | 40001069 | Zoology  | 6    | --          | --     | B   | BIO/05 | 6           | Massimo Scandura | 56         | 94                |
| 1    | --       | A000026  | Italiano   | 8    | --          | --     | D   | NN     | 8           |                  | 64         | 136               |
| 1    | --       | 10000307 | Traineeship                                      | 10   | --          | --     | F   | NN     | 10          |                  | 120        | 130               |

## Second Year - cohort 2016/2017 - Bioevolutionary Curriculum - A43

| Year | Semester | Code     | Course Unit                      | ECTS | Module code | Module               | TAF | SSD      | Module ECTS | Lecturer            | Length (h) | Private study (h) |
|------|----------|----------|----------------------------------|------|-------------|----------------------|-----|----------|-------------|---------------------|------------|-------------------|
| 2    | 1        | A000605  | Epigenetics and Gene Regulation  | 8    | --          | --                   | B   | BIO/11   | 8           | Claudia Crosio      | 68         | 132               |
| 2    | 1        | 40002741 | Evolutionary Genetics            | 7    | --          | --                   | B   | BIO/18   | 7           | Paolo Francalacci   | 60         | 115               |
| 2    | 1        | 40003484 | Applied Hygiene                  | 6    | --          | --                   | B   | MED/42   | 6           | Maria Dolores Masia | 52         | 98                |
| 2    | 2        | 40003883 | Advanced Physiology              | 6    | --          | --                   | B   | BIO/09   | 6           | Antonella Pantaleo  | 52         | 98                |
| 2    | 2        | A000950  | Genetic Tools for Marine Zoology | 6    | --          | --                   | C   | BIO/05   | 6           | Marco Casu          | 52         | 98                |
| 2    | 2        | 11450019 | Prova Finale                     | 35   | 40003886    | Dissertaion          | E   | PROFIN_S | 6           | --                  | 0          | 150               |
|      |          |          |                                  |      | 40205035    | Drafting and Editing | E   | PROFIN_S | 2           | --                  | 0          | 50                |
|      |          |          |                                  |      | 40003884    | Research             | E   | PROFIN_S | 27          | --                  | 0          | 675               |

## Second Year - cohort 2016/2017 - Biomedicine Curriculum - A42

| Year | Semester | Code     | Course Unit                     | ECTS | Module code | Module               | TAF | SSD      | Module ECTS | Lecturer               | Length (h) | Private study (h) |
|------|----------|----------|---------------------------------|------|-------------|----------------------|-----|----------|-------------|------------------------|------------|-------------------|
| 2    | 1        | A000605  | Epigenetics and Gene Regulation | 8    | --          | --                   | B   | BIO/11   | 8           | Claudia Crosio         | 68         | 132               |
| 2    | 1        | 40003484 | Applied Hygiene                 | 6    | --          | --                   | B   | MED/42   | 6           | Maria Dolores Masia    | 52         | 98                |
| 2    | 2        | 40100021 | Pharmacology                    | 6    | --          | --                   | C   | BIO/14   | 6           | Paolo Stefano D'aquila | 48         | 102               |
| 2    | 2        | 40003883 | Advanced Physiology             | 6    | --          | --                   | B   | BIO/09   | 6           | Antonella Pantaleo     | 52         | 98                |
| 2    | 2        | 11110020 | General Pathology               | 7    | --          | --                   | B   | MED/04   | 7           | Maria Maddalena Simile | 60         | 115               |
| 2    | 2        | 11450019 | Final Exam                      | 35   | 40003886    | Dissertaion          | E   | PROFIN_S | 6           | --                     | 0          | 150               |
|      |          |          |                                 |      | 40205035    | Drafting and Editing | E   | PROFIN_S | 2           | --                     | 0          | 50                |
|      |          |          |                                 |      | 40003884    | Research             | E   | PROFIN_S | 27          | --                     | 0          | 675               |