

# COURSE CATALOGUE OF ENVIRONMENTAL SCIENCES DEGREE

## University of Salamanca, Spain

| Course Type         | ECTS       |
|---------------------|------------|
| Core courses        | 60         |
| Required courses    | 150        |
| Elective courses    | 18         |
| Bachelor's thesis * | 12         |
| <b>TOTAL</b>        | <b>240</b> |

\* Not open to Erasmus students

### First year

| Courses                                      | Code   | Term | ECTS      |
|--|--------|------|-----------|
| MATHEMATICS                                  | 170138 | 1+2  | 9         |
| PHYSICS                                      | 170128 | 1+2  | 9         |
| CHEMISTRY                                    | 170141 | 1+2  | 9         |
| BIOLOGY                                      | 170125 | 1+2  | 9         |
| GEOLOGY                                      | 170131 | 1+2  | 9         |
| GEOGRAPHIC INFORMATION SYSTEMS               | 170146 | 1+2  | 9         |
| ENVIRONMENTAL ADMINISTRATION AND LEGISLATION | 170122 | 1+2  | 6         |
| <b>TOTAL</b>                                 |        |      | <b>60</b> |

### Second year

| Courses  | Code   | Term | ECTS      |
|--|--------|------|-----------|
| ECOLOGY  | 170149 | 1+2  | 9         |
| ZOOLOGY  | 170182 | 1    | 7,5       |
| HYDROLOGY  | 170166 |      | 6         |
| BASIC ENGINEERING OPERATIONS                       | 170172 |      | 6         |
| METEOROLOGY AND CLIMATOLOGY                        | 170169 |      | 6         |
| SOIL SCIENCE                                       | 170159 |      | 6         |
| INSTRUMENTAL TECHNIQUES FOR ENVIRONMENTAL ANALYSIS | 170175 | 2    | 6         |
| STATISTICS   | 170163 |      | 6         |
| BOTANY   | 170149 |      | 7,5       |
| <b>TOTAL</b>                                       |        |      | <b>60</b> |

### Third year

| Courses  | Code           | Term | ECTS |
|--|----------------|------|------|
| MANAGEMENT AND CONSERVATION OF FLORA, FAUNA, AND PROTECTED AREAS | 170199         | 1    | 6    |
| ENVIRONMENTAL MICROBIOLOGY                                       | 170205         |      | 6    |
| OCEANOGRAPHY   | 170208         |      | 6    |
| LAND PLANNING AND ENVIRONMENT                                    | 170211         |      | 6    |
| WASTE MANAGEMENT, TREATMENT AND RECOVERY                         | 170202         |      | 6    |
| AIR POLLUTION  | 170188         | 2    | 6    |
| SOIL DEGRADATION AND CONSERVATION                                | 170196         |      | 4,5  |
| FUNDAMENTALS OF ENVIRONMENTAL ENGINEERING                        | 170185         |      | 4,5  |
| WATER POLLUTION AND PURIFICATION                                 | 170193         |      | 6    |
| Elective course 1  | See list below |      | 4,5  |
| Elective course 2  | See list below |      | 4,5  |
| TOTAL  |                |      | 60   |

### Fourth year

| Courses                                     | Code           | Term | ECTS |
|---|----------------|------|------|
| RENEWABLE ENERGY AND ENERGY EFFICIENCY      | 170217         | 1    | 6    |
| APPLIED ECONOMICS                           | 170214         |      | 7,5  |
| ENVIRONMENTAL MANAGEMENT SYSTEMS AND AUDITS | 170238         |      | 6    |
| ENVIRONMENTAL TOXICOLOGY AND PUBLIC HEALTH  | 170241         |      | 6    |
| MATHEMATICAL MODELLING AND SIMULATION       | 170233         |      | 4,5  |
| BACHELOR'S THESIS *                         | 170243         | 2    | 12   |
| ENVIRONMENTAL IMPACT ASSESSMENT             | 170222         |      | 9    |
| Elective course 3                           | See list below |      | 4,5  |
| Elective course 4                           | See list below |      | 4,5  |
| TOTAL                                       |                |      | 60   |

\* Not open to Erasmus students

| Elective courses **                                | Code   | Term | ECTS |
|--|--------|------|------|
| ENVIRONMENT AND SOCIETY                            | 170259 | 2    | 4,5  |
| ENVIRONMENTAL EDUCATION                            | 170253 |      | 4,5  |
| ECONOMIC EVALUATION OF THE ENVIRONMENT             | 177770 |      | 4,5  |
| ENVIRONMENTAL BIOTECHNOLOGY                        | 170246 |      | 4,5  |
| GEOLOGICAL RESOURCES AND NATURAL RISKS             | 170268 |      | 4,5  |
| LANDSCAPE AND ENVIRONMENT                          | 170262 |      | 4,5  |
| ENVIRONMENTAL RADIOACTIVITY                        | 170265 |      | 4,5  |
| FOREST PROTECTION METHODS                          | 170277 |      | 4,5  |
| SUSTAINABILITY AND CORPORATE SOCIAL RESPONSIBILITY | 170274 |      | 4,5  |

|                                |        |  |     |
|--------------------------------|--------|--|-----|
| ENVIRONMENTAL THEMATIC MAPPING | 170249 |  | 4,5 |
| INTERNSHIP *                   | 170236 |  | 9   |

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\*\* Subject to a minimum number of enrolled students