



**BACHELOR'S DEGREE IN  
ENVIRONMENTAL AND LAND ENGINEERING**

**DEGREE PROGRAMME 2008/2009**

**1<sup>st</sup> year**

| Sem | Teaching course                  | SSD*       | TAF* | Credits | h  |
|-----|----------------------------------|------------|------|---------|----|
| 1   | Integrated Course: Mathematics 1 |            |      |         |    |
|     | - Module: Mathematical Analysis  | MAT/05     | A    | 5       | 50 |
| 1   | - Module: Geometry and Algebra   | MAT/03     | A    | 7       | 70 |
| 1   | Chemistry                        | CHIM/07    | A    | 6       | 60 |
| 1   | Physics 1                        | FIS/01     | A    | 8       | 80 |
| 2   | Mathematics 2                    | MAT/05     | A    | 9       | 90 |
| 2   | Physics 2                        | FIS/01     | A    | 7       | 70 |
| 2   | Fundamentals of Computer Science | ING-INF/05 | A    | 6       | 60 |
| 2   | Business Economics               | ING-IND/35 | B    | 6       | 60 |

**2<sup>nd</sup> year**

| Sem | Teaching course   | SSD*       | TAF* | Credits | h  |
|-----|---|------------|------|---------|----|
| 1   | Integrated Course: Statistics and Hydrology                             |            |      |         |    |
|     | - Module: Statistics  | SECS-S/02  | A    | 4       | 40 |
| 1   | - Module: Hydrology   | ICAR/02    | B    | 6       | 60 |
| 1   | Fundamentals of Applied Mechanics and Thermodynamics                    | ING-IND/13 | C    | 8       | 80 |
| 1   | Regional Planning   | ICAR/20    | B    | 6       | 60 |
| 1   | Graphics Lab  |            | F    | 5       | 50 |
| 2   | Integrated Course: Characterization and Principles of Solids Processing |            |      |         |    |
|     | - Module: Solids characterization                                       | GEO/09     | C    | 3       | 30 |
| 1   | - Module: Raw Materials Engineering                                     | ING-IND/29 | B    | 3       | 30 |
| 2   | Integrated Course: Geology and Applied Geology                          |            |      |         |    |
|     | - Module: Lithology and Geology   | GEO/09     | C    | 4       | 40 |
| 2   | - Module: Applied Geology   | GEO/05     | B    | 4       | 40 |
| 2   | Topography and Cartography  | ICAR/06    | C    | 6       | 60 |
| 2   | Electrotechnics Laboratory  |            | F    | 5       | 50 |



3<sup>rd</sup> year

| Sem | Teaching course   | SSD*       | TAF* | Credits | h   |
|-----|---|------------|------|---------|-----|
| 1   | Occupational Safety and Environmental Protection  | ING-IND/28 | B    | 6       | 60  |
| 1   | Integrated Course: Geotechnics and Applied Seismology<br>- Module: Geotechnics  | ICAR/07    | B    | 6       | 60  |
| 1   | - Module: Applied Seismology  | GEO/11     | B    | 4       | 40  |
| 1   | Integrated Course: Science and Technology of<br>Constructions<br>- Module: Construction Theory                          | ICAR/08    | B    | 6       | 60  |
| 1   | - Module: Theory and Technology of Structures   | ICAR/09    | B    | 5       | 50  |
| 2   | Transport Phenomena in Environmental Protection   | ING-IND/24 | B    | 6       | 60  |
| 2   | Integrated Course: Sanitary-Environmental Engineering<br>and Basics of Organic Chemistry<br>- Module: Organic chemistry | CHIM/07    | A    | 2       | 20  |
| 2   | - Module: Sanitary-Environmental Engineering  | ICAR/03    | B    | 6       | 60  |
| 2   | Hydraulics  | ICAR/01    | B    | 10      | 100 |

Additional credits to be acquired

| Sem | Activity                         | SSD* | TAF* | Credits | h |
|-----|----------------------------------|------|------|---------|---|
|     | English Language Test            |      | E    | 3       |   |
|     | Elective activities <sup>1</sup> |      | D    | 14      |   |
|     | Final Exam                       |      | E    | 4       |   |

**TOTAL CREDITS 180**

- (1) The elective activities must be consistent with the personal educational plan and they need approval by the Degree Programme Board.