Basic information about the subject ( independent of the cycle)

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| **Module name** | **Soil science - fieldwork** |
| Erasmus code |  |
| ISCED code |  |
| Language of instruction | English |
| Website | None |
| Prerequisites | None |
| ECTS points hour equivalents | **Contact hours (work with an academic teacher)** 32**Total number of hours with an academic teacher** 32**Number of ECTS points with an academic teacher**  1**Non-contact hours (students' own work)**15**Total number of non-contact hours** 15**Number of ECTS points for non-contact hours** **1****Total number of ECTS points for the module****2** |
| Educational outcomes verification methods |  |
| Description | The module covers the knowledge in the area of proper digging up soil pits and making the description of the soil layers, which leads to its classification and / or grading with particular emphasis on the geological structure, relief, water relations, vegetation and forms of land use.  |
| Reading list | Materials prepared by teacher |
| Educational outcomes | **KNOWLEDGE**Student knows basic concepts of soil research in the field, taking into account terminology used in soil classification Student knows the basic methods and techniques of soil research in the field necessary for soil classification and characterizationStudent knows the causes of spatial diversity of soils, especially in relation to geological structure, relief and usage**SKILLS**Student performs field measurements of some basic properties of soilsStudent pre-classifies the soil and tries to assess its agricultural suitability**ATTITUDES**Student is able to work in a group and to adopt different roles, efficiently communicates with task co-operatorsStudent shows responsibility for the safety of self and others and knows how to act in emergency situations |
| Practice |  |

Information about classes in the cycle

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| --- | --- |
| Website | None  |
| Educational outcomes verification methods |  |
| Comments |  |
| Reading list | Materials prepared by teacher |
| Educational outcomes | **KNOWLEDGE**Student knows basic concepts of soil research in the field, taking into account terminology used in soil classification Student knows the basic methods and techniques of soil research in the field necessary for soil classification and characterizationStudent knows the causes of spatial diversity of soils, especially in relation to geological structure, relief and usage**SKILLS**Student performs field measurements of some basic properties of soilsStudent pre-classifies the soil and tries to assess its agricultural suitability**ATTITUDES**Student is able to work in a group and to adopt different roles, efficiently communicates with task co-operatorsStudent shows responsibility for the safety of self and others and knows how to act in emergency situations |
| A list of topics | Following topics are accomplished: 1.Choosing a location for the digging out a pit.2.The use of basic tools and research equipment for the fieldwork of soil scientists.3. Description of soil profiles of different genesis.4. Determination of soil typology and / or their bonitation |
| Teaching methods | Lecture, direct observation, measurements in the field |
| Assessment methods | Test |