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| --- | --- | --- | --- | --- | --- | --- |
| **Course name** | | **Code** | **Semester** | **T+A** | **Credit** | **ECTS** |
| Soil Taxonomy | | 5144209 | Spring | 3+0 | 3 | 6 |
| **Pre requirements** | |  | | | | |
| **Course language** | | English | | | | |
| **Course type** | | Selective | | | | |
| **Instructor** | |  | | | | |
| **Purpose of the course** | | Inform students about basic principals of taxonomy and horizons used in classification, alfisoller, aridisols, entisols, histosols, inceptisols, mollisols, oxisols, spodosols, ultisols and vertisols. | | | | |
| **Learning outcomes of the course** | | At the end of this course   1. Student will learn the purpose of soil taxonomy and basic principals 2. Student will be informed about FAO/UNESCO soil classification systems. 3. Student classification categories in soil taxonomy 4. Student will be informed about moisture and temperature regimes that are important for classification 5. Student will be informed about soil ordos in the classification. 6. Student will gain the ability to be able to make taxonomic classification | | | | |
| **Course content** | | The purpose of soil taxonomy, basic principals, basic principals of moder soil classification, FAO/UNSECO soil units, new soil classification system developed in USA, horizons used in classification, alfisoller, aridisols, entisols, histosols, inceptisols, mollisols, oxisols, spodosols, ultisols and vertisols. | | | | |
| **Weeks** | **Subjects** | | | | | |
| 1 | Basic principals of model soil classification systems, the purpose of soil taxonomy and basic principlas, FAO/UNESCO soil classification systems. | | | | | |
| 2 | Cont of course | | | | | |
| 3 | Cont of course | | | | | |
| 4 | Cont of course | | | | | |
| 5 | Cont of course | | | | | |
| 6 | Cont of course | | | | | |
| 7 | Cont of course | | | | | |
| 8 | Cont of course | | | | | |
| 9 | Horizons used in new soil classification system (soil taxonomy) and their use | | | | | |
| 10 | Classification categories in soil taxonomy | | | | | |
| 11 | Ordos in taxonomy; alfisoller, aridisols, entisols, histosols, inceptisols, mollisols, oxisols, spodosols, ultisols and vertisols. | | | | | |
| 12 | Cont of course | | | | | |
| 13 | Cont of course | | | | | |
| 14 | Cont of course | | | | | |
| **General competency** | | | | | | |
| 1.Learning of soil taxonomy and being able to receive the ability for classification and interpretation | | | | | | |
| **References** | | | | | | |
| Soil Survey Staff. 1999. *Toprak Sınıflandırma Anahtarı*. 8th ed. USDA-NRCS, U.S. Gov. Print. Office, Washington, DC. and Soil Survey Staff. 1999. *Toprak Taksonomisi. Toprak Etüdleri yapımı ve Yorumlamaları için temel Toprak Sınıflandırma Sistemi.* 2nd edition. USDA-NRCS, Agric. Handbook U.S. Gov. Print. Office, Washington, DC.Konu ile ilgili Seçilmiş Makaleler. | | | | | | |
| **Evaluation systems** | | | | | | |
| Midterm Exam: 40%, Final: 60%; Project or homework evaluations can be made by announcing at the beginning of the semester. | | | | | | |

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|  | **PROGRAM ÖĞRENME ÇIKTILARI İLE**  **DERS ÖĞRENİM KAZANIMLARI İLİŞKİSİ TABLOSU** | | | | | | | | | | | | | |
|  | **PÇ1** | **PÇ2** | | **PÇ3** | **PÇ4** | | **PÇ5** | **PÇ6** | | **PÇ7** | **PÇ8** | | **PÇ9** | **PÇ10** |
| **ÖK1** | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 4 |
| **ÖK2** | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 4 |
| **ÖK3** | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 4 |
| **ÖK4** | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 4 |
| **ÖK5** | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 4 |
| **ÖK6** | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 5 | | 5 | 4 |
| **ÖK: Öğrenme Kazanımları PÇ: Program Çıktıları** | | | | | | | | | | | | | | |
| **Katkı Düzeyi** | **1 Çok Düşük** | | **2 Düşük** | | | **3 Orta** | | | **4 Yüksek** | | | **5 Çok Yüksek** | | |

**Program Çıktıları ve İlgili Dersin İlişkisi**

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| **Ders** | **PÇ1** | **PÇ2** | **PÇ3** | **PÇ4** | **PÇ5** | **PÇ6** | **PÇ7** | **PÇ8** | **PÇ9** | **PÇ10** |
| Soil Taxonomy | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |