|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course name** | **Code** | **Semester** | **T+A** | **Credit** | **ECTS** |
| Soil Degredation, Determination, Evaluation and Rehabilitation Methods | 5115268 | Spring | 3+0 | 3 | 6 |
| **Prerequirements** |  |
| **Course language** | English |
| **Course type** | Selective |
| **Course coordinator** |  |
| **Instructor** |  |
|  |  |
| **Purpose of thecourse** | Informthestudentaboutsoildegredationanditsformingreasons, itsimpacts on theenvironmentandcontrolmethods. |
| **Learning outcomes of thecourse** | At theend of thiscoursestudentwill1. Learnwhatthesoildegradation is
2. Learntheprocedures of soilderedation in terms of causeandeffects
3. Learntheimpacts of degradation in terms of ecologicalandeconomicalperspectives
4. Recognizethemethods of describingsoildegredation
5. Investigatetheroles of thesemethods in practiceandtheirsignificance
6. Getinformedaboutthedetermination of soildegredation, distribution of soildegredationanditscontrol
 |
| **Course content** | Describing of soildegredation, investigation of soildegredationprocedures in terms of cause-effect, themethodsusedfordeterminingsoildegredationandtheirapplication, theimpacts of soildegredation in terms of ecologicalandeconomicalperspectiveanditscontrolandremediation. |
| **Weeks** | **Subjects** |
| 1 | Description of soildegredation |
| 2 | Thecauses of soildegredationprocedures in terms of agriculturalperspective |
| 3 | Thecauses of soildegredationprocedures in terms of agriculturalperspective |
| 4 | Tarımsal açısından belirleyici toprak bozucu prosedürlerin sebep-sonuç ilişkisi yönünden incelenmesiInvestigatingthecause-effects of soildegredationprocedures in terms of agriculture |
| 5 | Description of themethodsusedtodescribesoildegredation, andinvestigationtheirsignificanceandapplication |
| 6 | Description of themethodsusedtodescribesoildegredation, andinvestigationtheirsignificanceandapplication |
| 7 | Description of themethodsusedtodescribesoildegredation, andinvestigationtheirsignificanceandapplication |
| 8 | Determination of degredation, itsdistribution, controlandremediation |
| 9 | Determination of soildegredation |
| 10 | Determination of soildegredation |
| 11 | Determination of soildegredation |
| 12 | Determination of soildegredation |
| 13 | Determination of soildegredation |
| 14 | Determination of soildegredation |
| **General competency** |
| Beingabletodeterminesoildegredationandoffersolutions |
| **References** |
| Barrow, C.J. 1991. *Karasal Alan Degradasyonu; Karasal Çevredeki Gelişmeler ve Olumsusluklar*. Cambridge UniversityPress, Cambridge, NY.Lal, R., W.H. Blum, C. Valentineand B.A. Stewart. 1998. *Toprak Degredasyonunu değerlendirme Metotları.* Adv. İn SoilSci. CRC Press, NY. |
| **Evaluation system** |
| MidtermExam: 40%, Final: 60%; Project orhomeworkevaluations can be madebyannouncing at thebeginning of thesemester. |

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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** |
| SoilDegredation, Determination, Evaluation andRehabilitationMethods | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 |