



UNIVERSITATEA DE ȘTIINȚE AGRONOMICE  
ȘI MEDICINĂ VETERINARĂ – BUCUREȘTI



FACULTATEA  
DE ÎMBUNĂTĂȚIRI FUNCIARE  
ȘI INGINERIA MEDIULUI

FACULTATEA DE ÎMBUNĂTĂȚIRI FUNCIARE ȘI INGINERIA MEDIULUI

Faculty of Land Reclamation and Environmental Engineering

DEPARTAMENTUL MEDIU SI IMBUNATATIRI FUNCIARE

Department of Environment and Land Reclamation

POZITIA 8 – PROFESOR

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Discipline                    | <b>Gestiunea terenurilor in panta I; Gestiunea terenurilor in panta II; Combaterea eroziunii solului II.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Subjects                      | <b>Land management on slopes I; Land management on slopes II; Soil erosion and conservation II.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Descriere post                | <ul style="list-style-type: none"><li>• Notiuni introductive privind degradarea terenurilor in panta prin eroziune si procese asociate – arealul de extindere, cauzele producerii, efectele majore asupra mediului;</li><li>• Notiuni de baza privind mecanismul producerii eroziunii solului (eroziunea de suprafata si eroziunea in adancime) si a proceselor asociate (alunecari de teren);</li><li>• Factorii de risc ai eroziunii solului - naturali si antropici: relief, clima, sol, vegetație, omul;</li><li>• Aspecte privind efectuarea cartarii si cercetarii degradarii terenurilor agricole in panta prin eroziunea solului si procese asociate;</li><li>• Modele de evaluare a eroziunii solului in lume si in Romania;</li><li>• Schema generala de amenajare complexa antierozionala a unui bazin hidrografic torential mic, cu folosinte predominant agricole;</li><li>• Dimensionarea masurilor si a lucrarilor de amenajare antierozionala a versantilor;</li><li>• Dimensionarea masurilor si lucrarilor de amenajare antierozionala a unei formatiuni de eroziune in adancime;</li></ul> <p>Masuri si lucrari pentru prevenirea si combaterea alunecarilor de teren.</p> |
| Job description               | <ul style="list-style-type: none"><li>• Basics notions regarding land degradation on slopes by water erosion and associated processes – area of manifestations, causes and their impact on environment;</li><li>• Basics notions regarding the mechanisms of water erosion process (sheet and gully erosion) as well as landslides;</li><li>• Water erosion risk factors – natural and antropogenetics ones: relief, climate, soil, vegetation, man;</li><li>• Aspects regarding cartography and research of agricultural degraded lands on slopes by water erosion and landslides;</li><li>• Soil erosion prediction models in Romania and in the World;</li><li>• General scheme for soil conservation works within a small torrential watershed;</li><li>• Designing of the soil conservation works within a torrential watershed;</li><li>• Designing of the soil conservation works on a gully erosion;</li></ul> <p>Landslides management.</p>                                                                                                                                                                                                                                          |
| Atribuții/activități aferente | Activitati de predare si seminarizare conform statului de functiuni; Examinare si evaluare a cunostintelor in cadrul lucrarilor de verificare, a examenelor si colocviilor; Activitati de                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | cercetare stiintifica in echipe multidisciplinare; Participare la comisii de admitere; Participare la comisii de licenta; Activitati de elaborare a manualelor si indrumatoarelor de lucrari practice; Consultatii, indrumare a cercurilor stiintifice studentesti, a studentilor in cadrul sistemului de credite transferabile; Participare la consilii si comisii in interesul invatamantului.                                |
| Duties/ Related activities | Teaching activities: courses, seminars and laboratory; Midterm and final examination by tests, exams and colloquia; Multidisciplinary research works; Admission Commissions; Graduation Commissions; Performing elaborare handbooks, textbooks and guides for students use; Tutorial activities; Involvement in the ECTS for student mobilities in Erasmus Programm; Participating in Commissions and Committees for education. |