

POSTURI SCOASE LA CONCURS
Semestrul I, anul universitar 2024/2025

Faculty	Agriculture
Departament	Soil Science
The position in the state of functions	7/III
Function	Associate Professor
The subjects in the education plan	Agrometeorology Agrometeorology Conditioning and storage of agricultural products Climate change
Scientific field	Agronomy
The theme of the competition test	Agrometeorology: ○ The atmosphere. Characteristics. Stratification; ○ Solar radiation. Types of radiation. Classification. ○ Meteorological elements. Air temperature. Vertical temperature distribution. ○ Air humidity. The quantities that characterize air humidity ○ Water vapor condensation and sublimation processes and products. The fog Agrometeorology: ○ General notions regarding the earth's atmosphere. ○ The importance of solar radiation. Albedo. The radiative balance; ○ Soil temperature. Heat transport in soil. Soil heating and cooling processes; ○ The clouds. Genesis. Classification. Nebulosity ○ Atmospheric pressure. The pressure variation. Baric forms. Conditioning and storage of agricultural products ○ Good practice in grain storage to avoid fungal spoilage; ○ Technological properties of cereals for storage ○ Drying and aeration of cereals ○ Separation of impurities in agricultural products ○ Good practice guide for storing of agricultural products Climate Change ○ Climate changes and thermal stress on plants; ○ The genesis of climate change (factors, greenhouse effect) ○ The effect of climate change on soils (drought) and water balance; ○ Natural disasters.
The address where the tender file is sent	Faculty of Agriculture, 119 Aradului Street, Postal Code 300645, Timișoara, Timiș County.

