



## COURSE SPECIFICATION 5<sup>TH</sup> SEMESTER:

### ELECTIVE COURSE

**Course Name** : Soil and Crops Analysis  
**Code** : KL 678  
**Credit** : (2-1)

#### Course Description:

Soil and crop analysis is needed to determine the status of soil fertility and nutrient uptake in plants. This course provides knowledge on how to take soil and plant tissue samples to measure their health status, how to analyze nutrient content, and how to determine their nutrient status. Practicum is conducted to provide students with expertise in determining the status of soil and plant health.

#### References:

Sulaeman, Suparto, Eviati. 2005. Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air, dan Pupuk. Balai Penelitian Tanah. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian.

<http://balittanah.litbang.deptan.go.id>

Buku dasar-dasar Ilmu Tanah

#### Topics:

1. Macronutrient analysis
2. Micronutrient analysis
3. Macronutrient uptake analysis
4. Micronutrient uptake analysis
5. Plant tissue analysis