



COURSE SPECIFICATION 4th SEMESTER:

Course Name : Information and Technology in Agriculture
Code : KU 553
Credit : (2-1)

Course Description:

Precision agriculture is an agricultural management concept based on observation, measurement and response to land diversity with supporting technologies such as Global Positioning Systems (GPS), Geographic Information Systems (GIS) and Variable Rate Technology (VRT).

References:

GPS Library, <http://www.gpsy.com/gpsinfo/>

Precision Farming NASA,

<https://earthobservatory.nasa.gov/features/PrecisionFarming>

Menggunakan GPS Garmin Montana 650,

<http://gpsinformation.info/penrod/Montana/Montana.html>

Tutorial ArcGIS, <https://desktop.arcgis.com/en/arcmap/10.3/main/get-started/arcgis-tutorials.html>

Topics:

1. Precision farming: basic objectives and concepts
2. Devices in precision agriculture (Maps, GPS, GIS, VRT)
3. IT for agricultural development