

Course Type  Lecture  Lab  
 Practicum  Thesis/IS.  
 Measurement and Evaluation  A-F  S/U  P

Selected Topic (if any)  Count the accumulated credits for graduation every time  
 Count the accumulated credits for graduation one- time only

Abbreviation : ADV RES METH AGRI SYST MNG

Prerequisite : None

**Course Description:**

Objectives and philosophy of agricultural system research, assessment of agricultural system complexity and properties, finding knowledge gaps and key research questions, qualitative and quantitative analytical tools for agricultural system research, data collection methods, agricultural system research planning and design, reporting of research results, research ethics

**Course Objectives:** Students will be able to:

1. realize the objectives and philosophy of agricultural system research for improved system management
2. know and make use of analytical tools for improved agricultural system management
3. plan and design agricultural system research for improved relevant system management

Course Contents	No. of Lect. hours
1. Agricultural System Research objectives and philosophy	3
2. Assessing agricultural system complexity and properties	3
3. Finding knowledge gaps and key research questions	3
4. Qualitative analytical tools for agricultural system research for improved system management	6
5. Quantitative analytical tools for agricultural system research for improved system management	6
6. Agricultural systems research design and planning	1.5
7. Qualitative vs. quantitative data collection	4.5
8. Reporting of research results	1.5
9. Ethics of agricultural systems research	1.5
<b>Total</b>	<b><u>30</u></b>