

### **C5a: Research Methods in Social Sciences (1.5 credits)**

**Coordinator:** [Dr. Bejoy K. Thomas](#)

The objective of C5a course is to introduce the essential qualitative, quantitative and participatory research methods used in social sciences and natural resources management research. Emphasis will be placed on organizing and executing research projects and combining disciplinary approaches and methods in field settings. The course will comprise of several sessions of class based lectures and a short hands-on application in the field.

#### Lecture modules

1. Overview of social research process (Dr. Siddhartha Krishnan , Dr. Bejoy Thomas)
2. Qualitative methods: Sampling (Dr. Siddhartha Krishnan)
3. Qualitative methods: Field tools (participant observation, interviews, triangulation) (Dr. Siddhartha Krishnan)
4. Qualitative methods: Analysis (Dr. Siddhartha Krishnan)
5. Quantitative methods: Sampling (Dr. Bejoy Thomas, Dr. Ashokankur Datta)
6. Quantitative methods: Questionnaire survey (Dr. Bejoy Thomas, Dr. Ashokankur Datta)
7. Quantitative methods: Analysis (Dr. Ashokankur Datta, Dr. Bejoy Thomas)
8. Participatory methods: Overview and tools (Dr. Bejoy Thomas, [Dr. Siddappa Setty](#))
9. Participatory methods: Case study (Dr. Siddappa Setty, Dr. Bejoy Thomas)
10. Field assignment and presentation (Dr. Ashokankur Datta, Dr. Bejoy Thomas, Dr. Siddappa Setty, Dr. Siddhartha Krishnan, [Dr. Seema Purushothaman](#))

#### Readings

- a. Research Methods in Anthropology: Qualitative and Quantitative Approaches, H. Russell Bernard (2006): <http://library.atree.org/cgi-bin/koha/opac-detail.pl?biblionumber=3989>
- b. Researching Society and Culture, Clive Seale (2004): <http://library.atree.org/cgi-bin/koha/opac-detail.pl?biblionumber=2534>

### **C5b: Research Methods in Natural Sciences (1.5 credits)**

**Co-ordinator:** [Dr. T. Ganesh](#)

#### Lecture modules

1. Doing ecology in field: Issues and constraints (Dr. T. Ganesh)  
Taxa based sampling ([Dr. Aravind N.A.](#))  
Insect sampling ([Dr. Priyadarsanan Dharma Rajan](#))
2. Plant sampling ([Dr. R. Ganesan](#))
3. Basic biodiversity statistics ([Dr. Aravind N.A.](#))  
Data mining for conservation ([Dr. Aravind N.A.](#))

Field modules (Dr. T. Ganesh and Dr. Aravind N.A.)

#### Reading

- a. Ecological Methodology: Charles Krebs
- b. Ecological Census Technique: William Sutherland
- c. Anne Magguran

