

## **HORT 611 Preparation of Research Project and Scientific Writing 2(1-1)**

### **THEORY**

The purpose and kinds of research. General consideration and identification of the problem. Background reading and review of literature: Objectives, sources, collection and citation. Preparation of research project: Title, objectives, methodology, work plan and budget.

Scientific writing: Aims, components and organizing the material. Techniques of composition: Table of contents, list of tables and figures, standard abbreviation. Footnoting, documentation. Referencing: Alphabetical and chronological order. Appendices and bibliography. Editing and evaluating the final draft.

### **PRACTICALS**

Exercise of writing research proposal. Assigning different titles to the students. Exercise of collecting materials from different sources on assigned topics. Oral presentation

### **BOOKS RECOMMENDED**

1. Ghafoor, A., G. Murtaza and S.I. Hussain. 2006. Fundamental of scientific communications and presentations. Allied Book Centre, Urdu Bazaar, Lahore. (ISBN 969-547-01-7). 190 p.
2. Blaxter, L., C. Hughes and M. Tight. 2006. How to Research. 3rd Ed. Open University Press McGraw Hill, Berkshire, UK.
3. Luellen, R.W. 2001. Fine-tuning your writing. Wise Owl Publishing Company, Madison, WI, USA.
4. Ghafoor, A. 2007. Manual for Synopsis and Thesis Preparation. Univ. Agri., Faisalabad, Pakistan (ISBN 969-8237-7-0). 109 p.
5. Katz, M.J. 2009. From Research to Manuscript – A Guide to Scientific Writing. 2nd Ed. Springer-Verlag, Frankfurt, Germany.
6. Harrad, S., L. Batty, M. Diamond and G. Arhonditsis. 2008. Students Projects in Environmental Science. John Wiley & Sons Ltd. West Sussex, England.