

## BS (4 Years) for Affiliated Colleges



Code	Subject Title	Cr. Hrs	Semester
<b>ZOOL- 402</b>	<b>Lab. Principles of Systematics</b>	<b>1</b>	<b>VII</b>
Year	Discipline		
<b>4</b>	<b>Zoology</b>		

### Course Contents

The study of a group of organisms while utilizing key. Collection, preservation, labelling and identification of a group of specimen according to expertise available in the institute. Preparation of bracket and indent key. Biometry Rationale, collection of data, statistical analysis (F test, t test, Z test, analysis of variance, regression and correlation) and interpretation. Phylogeny Reconstruction. Application of phonetic (Similarity and dissimilarity matrix and unweighted pair group method) and cladistic (compatibility method) analysis to a group of mock “organisms”.

### Recommended Books

- Mayr, E. and Ashlock, P.D., (Latest edition). Principles of Systematic Zoology, McGraw-Hill Inc. New York.
- Simpson, G.G., (Latest edition). Principles of Animal Taxonomy, Columbia University Press, N.Y.
- Soka, R., and Snaeth P.H.A. (Latest edition). Principles of numerical taxonomy. W.H. Freeman and company, London.
- Kapoor, V.C. Principles and practices of animal Taxonomy. Science Publishers, 2nd Ed.