



REFRESHER COURSE ON EMERGING FRONTIER IN ANIMAL SCIENCES (ID)

(25th Nov. 2013 to 18th Dec. 2013)

UGC-Academic Staff College and Department of Zoology, Guru Ghasidas

Aims & Objectives:

Animal science is one of the major branches of life sciences deals with the study of animals. There is a growing concern in recent years to understand the physiological, anatomical as well as the behavioural aspects of animals in relation to environment. In order to bridge the gap between the concepts and new knowledge, the continuous training is necessary to enhance the skills of professionals. UGC has approved a training programme on Animal Sciences to ASC during 2013-14, aiming at imparting training to Assistant Professors to enrich their practical knowledge for effective teaching in UG and PG programmes. The programme is designed to address the following issues:

- How animals are performing their functions?
- How animals are behaving on various environmental factors?
- How they are contributing towards the community, so that we may be able to get more and more beneficial products from them?

The training includes lectures sessions followed by practical demonstrations. The objectives of the programme are outlined below.

Objectives:

- 1) To provide an opportunity to the teachers/scientists of Animal and Zoological sciences for upgrading their knowledge and skills in their field of specialization.

- 2) To impart the knowledge on advanced research areas like Bioinformatics, Genetic Engineering, Molecular Biology and Neurosciences.
- 3) To develop the skills on art of writing quality research papers and research projects in animal sciences.

Modules of Course:

The course will be organized under three modules:

Module 1: General and Applied Zoology, Fishery Science, Entomology, Neurobiology,

Module 2: System Physiology, Endocrinology, Toxicology, Pharmacy, Forensic Science.

Module 3: Genetics, Cell and Molecular Biology, Bioinformatics and Computer Application. Training on writing Review and Research Projects.

UGC-Academic Staff College:

UGC-Academic Staff College (ASC) was established in the lush green campus of Guru Ghasidas Vishwavidyalaya (A Central University) in 2009. ASC is organising various kinds of training programmes to enhance the professional skills and knowledge of teaching and non-teaching staff. The ASC has the state of the art ICT Laboratory equipped with high speed internet & video conferencing facilities. The facilities of Central Library of Vishwavidyalaya, equipped with more than 1 lakh books and journals, Science Direct and INFLIB NET, have been extended to

ASC, which make possible an easy access to books, journals and e-resources. The ASC has developed strong linkages with reputed national and international institutes and invites eminent academicians and researchers as resource persons as per the needs of the training programmes. The highly motivated faculty, state of the art facilities and excellent logistics are the strengths of ASC and key to the successful organisation of many quality programmes.

Department of Zoology:

The Department of Zoology was established under the auspices of the School of Life Sciences in the year 2009. The vision of the department is to provide quality science education to ignite the mind of the young students who are keen to pursue their studies in diverse field of Animal Sciences. Department is expanding its arm from teaching in UG and PG level to the basic and clinical research. The department offers Integrated UG/PG program with an exit option after completion of three years with B.Sc.(Hon.) degree, and post graduate degree at the completion of ten semesters. Recently the department is offering Ph. D. program in the areas like Reproductive Endocrinology. The department recently started the animal cell culture techniques at UG, PG and research level. Department is equipped with CO₂ incubators, Zeiss Inverted Microscopes, 2D Electrophoresis System for molecular protein work, UV Visible Spectrophotometer, Cryostat, ELISA Reader for protein and immune assay. Approximately 900 new books are available in the departmental library. The Department is blessed with young and highly motivated faculty members from reputed institutes across India. We hope trained faculty

and facilities make possible the successful organization of programmes.

Eligibility and Application of Participants:

The university/college (recognized by UGC) teachers of Zoology, Biotechnology Forensic Science, Anthropology and related subjects are eligible to apply for the programme. The candidates need to apply through proper channel in prescribed application format which can be downloaded from university web site: www.ggu.ac.in. A Demand draft (Any Nationalized bank) of Rs. 500/- drawn in favour of Director ASC, GGV, (CG) is to be attached along with the application form. Applications without DD will not be considered. **The participants will be paid TA & DA as per the norms of UGC.**

Bilaspur city of Chhattisgarh is well connected by rail and roadways. Regarding any further queries related to the course and other details, please contact the coordinators.

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