



Refresher Course On
“Refresher Course on Interdisciplinary Sciences”
(Date from 03.07.2023 to 15.07.2023)
Organized by UGC-HRDC and Department of Zoology,
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) 495 009

Aims & Objectives:

Interdisciplinary Sciences is emerging as a best practice in education within and across science disciplines. There is a growing concern in recent years to understand, explore and integrate the various interrelated components of various streams of sciences to cover ranges across the broad field of science. National Education Policy-2020 also promotes the incorporation of high-quality interdisciplinary education and research in order to bridge the gap between the concepts of new knowledge and Indian knowledge system to excel the continuous training and to develop robust ecosystem for education and research and open the new avenues for skills enhancement of professionals. UGC has approved Refresher Course on Interdisciplinary Sciences to HRDC aiming at imparting training to eligible faculty members to enrich their practical knowledge for effective teaching in UG and PG programmes with reference to the updates of NEP-2020.

Objectives:

1. To provide an opportunity to the teachers/scientists of the various stream of sciences (Biology, Biochemistry, Biotechnology, Forensic Sciences Animal Sciences and Plant Sciences) for upgrading their knowledge and skills in their field of interdisciplinary education and research.
2. To impart the knowledge on advanced research areas Interdisciplinary Science. for the successful implementation of NEP-2020 at Institutional level.
3. To develop the skills on art of writing quality research papers / projects in Interdisciplinary Science

Modules of Course:

The course will be organized under modules as follows:

Module 1: Basic Sciences is aimed to develop an interdisciplinary approach to understand various natural phenomena with the aid of computational advancement

Module 2: Understanding the knowledge of General and Applied domain of sciences under the umbrella of Interdisciplinary Science

Module 3: Capacity building of the young teachers for development of innovative skills in teaching, curriculum design, assessment and evaluation techniques

Module 4: Application. and Training on writing Reviews and Research Papers and Projects comprising different strategies and methodologies of Interdisciplinary Science

About Human Resource Development Centre (HRDC):

UGC-Academic Staff College (ASC), presently upgraded as Human Resource Development Centre (HRDC) was initially established in Guru Ghasidas Vishwavidyalaya (A Central University) during 2009. HRDC is organising various kinds of training programmes to enhance the professional skills and knowledge of teaching and non-teaching staff. The HRDC 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 one lakh books and journals, Science Direct and INFLIB NET, have been extended to HRDC, which make possible an easy access to books, journals and e-resources for faculties. The HRDC 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,

eminent resource persons, state of the art facilities and excellent logistics are the strengths of HRDC and key to the successful organisation of many quality programmes.

About 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:

1. Faculty members of botany, zoology, biochemistry, biotechnology, forensic sciences animal sciences and plant sciences, working in universities and colleges that are included under Section 2(f) of the UGC Act, even though they may not yet be fit under Section 12 (B), may be invited to participate in the orientation and refresher courses. The teachers of colleges that do not yet come within the purview of Section 2(f), but have been affiliated to a university for at least five years, will be permitted to participate in the courses.
2. Part-time / Ad-hoc/ temporary / contract teachers who have been teaching for at least three academic sessions in an institution without differentiating them on the basis of type of management, which has been affiliated to a University programme / Refresher Course to enhance their skills.
3. University/ College teachers those already attended orientation programme or Refresher Course are

eligible to attend a Refresher Course after a minimum gap of one year.

4. Selection will be made as per the guidelines of the UGC-HRDC and on first come first serve basis.

5. The last date of receiving application is 01.07.2023

The interested candidates are advised to apply via online application form at the earliest and the same application may be printed out for applying through proper channel from university web site: www.ggu.ac.in/hrdc.aspx with a registration fee (non-refundable) of Rs. 1000/- paid through NEFT/RTGS/NET BANKING/OTHER in the account of UGC-HRDC, GGV, Bilaspur (C.G.), Bank Account No.- 947410110001547, IFSC Code- BKID0009474, Branch- BOI, GGV Campus, Koni to secure the participation. 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 Course Coordinator and Director.

Contact:

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