Course No.	Title	Credit
Course - 1	Research Methodology and techniques	4+0
Course - 2	Animal Science – I & Animal Science – II	4+0
Course - 3	Review collection and presentation of synopsis	4+0

Ph. D. Syllabus in the Department of Animal Science

Course - 1: Research methodology and techniques

Course objective:

To enable the students to solve a research problem systematically and acquainting them how to prepare a holistic plan of work for research.

4+0

Syllabus

Studied on related field of research work. Probable parameters required in particular research findings. Method of reflect results in the thesis. Computer applications related to Animal Sciences.

Learning Outcome:

After the completion of the course the students will be able draw the objectives of the research work, their plan of work, proper training methods and tools which are adequate for reaching out the objectives

4 + 0

Course - 2: Animal Science – I & II

Objective:

Student will get advance knowledge of mixed farming and low-cost livestock production. Student will prepared themselves new technologies in animal science and prepared them for advanced research.

Animal Science – I

Advance studies on L.P.M. Mixed farming: Modern concept. Animal breeding: Up gradation, cross-breeding etc. Artificial insemination & embryo transfer technology: Updated breakthrough. Rearing of small ruminants and pig farming. Planning & budgeting of livestock farm.

Animal Science – II

Indigenous technologies with a view to low-cost livestock production. Animal feeding: Computation of ration, non-conventional feeds, feed additives & probiotics. Immunization: Modern concept & control of important diseases in livestock. Livestock farming & environment. Important aspects in poultry production. Fish production in West Bengal. Learning Outcome:

After the successful completion of the course the students will be able to get acquainted with the different techniques of management of livestock production in an integrated way. They will also learn about the rearing of pigs and poultry in low-cost environment.

Course - 3: Review of Research work and written Presentation of Synopsis 4+0

Objective:

Collection of literature and preparation of two review articles. Preparation of synopsis of research topic. Final registration seminar (including methodology of trial and experiments). Data analysis and preparation of MS for thesis

Syllabus:

Collection of literature and preparation of two review articles. Preparation of synopsis of research topic. Final registration seminar (including methodology of trial and experiments). Data analysis and preparation of MS for thesis

Learning Outcome:

The students will get an idea about writing an abstract and synopsis which will further help them in writing their thesis and perform data analysis.