

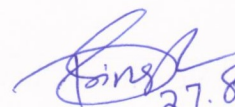
**DEPARTMENT OF VETERINARY PHYSIOLOGY & BIOCHEMISTRY**  
**COLLEGE OF VETERINARY SCIENCE**  
**GURU AGAND DEV VETERINARY AND ANIMAL SCIENCES UNIVERSITY**  
**LUDHIANA**

The following postgraduate courses will be offered by this department during the 1st semester 2021-22.

| Course No.                                | Course Title                                                                 | Credit Hrs. | Name of the teachers                                                  |
|-------------------------------------------|------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------|
| <b>UG Courses</b>                         |                                                                              |             |                                                                       |
| Vety. Physiology                          | Veterinary Physiology                                                        | 4+1         | Drs. Manjinder Sharma*, Digvijay Singh & VS Malik                     |
| Vety. Biochemistry                        | Veterinary Biochemistry                                                      | 2+1         | Drs. Chanchal Singh* & Shashi Nayyar                                  |
| VCP-II<br>2017 Batch                      | Veterinary Clinical Practice                                                 | 0+5         | Drs. Shashi Nayyar, Digvijay Singh & Manjinder Sharma                 |
| VCP-II<br>2018 Batch                      | Veterinary Clinical Practice                                                 | 0+5         | Drs. Chanchal Singh, Digvijay Singh, Shashi Nayyar & Manjinder Sharma |
| <b>Vety. Physiology M.V.Sc. Courses</b>   |                                                                              |             |                                                                       |
| VPY-602                                   | Cardiovascular and respiratory physiology                                    | 2+1         | Dr. Digvijay Singh* & Dr. Manjinder Sharma                            |
| VPY-603                                   | Renal physiology and body fluid dynamics                                     | 2+1         | Dr. VS Malik* & Dr. Manjinder Sharma                                  |
| VPY 604                                   | Hematology                                                                   | 2+1         | Dr. Manjinder Sharma* & Dr. Digvijay Singh                            |
| VPY-606                                   | Physiology of animal Reproduction                                            | 2+1         | Dr. VS Malik* & Dr. Manjinder Sharma                                  |
| VPY 610                                   | Research techniques in Veterinary Physiology                                 | 0+2         | Dr. Manjinder Sharma* & Dr. Digvijay Singh                            |
| VPY 691                                   | Master's seminar                                                             | 1+0         | Dr. Digvijay Singh                                                    |
| <b>Vety. Biochemistry M.V.Sc. Courses</b> |                                                                              |             |                                                                       |
| VBC-601                                   | Chemistry of Animal Cell                                                     | 2+0         | Dr. B.V. Sunil Kumar* & Dr. Shashi Nayyar                             |
| VBC-604                                   | Biochemistry of Biomolecules: Carbohydrates, Lipids and Membrane's Structure | 2+0         | Dr. Shashi Nayyar* & Dr. Chanchal Singh                               |
| VBC-610                                   | Clinical Biochemistry of Animals                                             | 2+1         | Dr. Chanchal Singh* & Dr. Shashi Nayyar                               |
| VBC-611                                   | Biochemical Basis of Disease of Domestic animals                             | 2+0         | Dr. B.V. Sunil Kumar* & Dr. Chanchal Singh                            |
| VBC-612                                   | Endocrinology and Reproductive Biochemistry                                  | 2+0         | Dr. VS Malik* & Dr. Chanchal Singh                                    |
| VBC-613                                   | Biochemical basis of Animal Production                                       | 2+1         | Dr. Sandeep Sodhi Kakkar                                              |
| VBC-691                                   | Master's Seminar                                                             | 1+0         | Dr. Chanchal Singh                                                    |

| <b>Ph.D Courses (Vety. Physiology)</b> |                                                    |     |                                            |
|----------------------------------------|----------------------------------------------------|-----|--------------------------------------------|
| VPY-701                                | Applied physiology of body fluids and Electrolytes | 2+1 | Dr. VS Malik*                              |
| VPY-707                                | Physiology of Lactation                            | 2+1 | Dr. Digvijay Singh* & Dr. Manjinder Sharma |
| VPY-710                                | Advance in Immunophysiology                        | 2+1 | Dr. Manjinder Sharma                       |
| VPY-711                                | Physiology of Stress                               | 2+1 | Dr. Digvijay Singh                         |
| VPY-791                                | Doctoral Seminar                                   | 1+0 | Dr. Digvijay Singh                         |

| <b>Ph.D Courses (Vety. Biochemistry)</b> |                             |     |                    |
|------------------------------------------|-----------------------------|-----|--------------------|
| VBC-705                                  | Methods in Protein Analysis | 2+1 | Dr. BV Sunil Kumar |

  
27.8.21.

Professor & Head  
Dept. of Vety. Physiology & Biochemistry

Endst. No. VPB/21/ 462-501

Dated: 27/8/2021

A copy of the above is forwarded to the following for information and necessary action:

1. Dean, COVS , GADVASU, Ludhiana
2. The Dean, Postgraduate Studies, GADVASU, Ludhiana
3. Registrar, GADVASU, Ludhiana
4. All Heads of Department, COVS, GADVASU, Ludhiana
5. Concerned faculty members of the department.
6. The Director, School of Animal Biotechnology, GADVASU, Ludhiana
7. Notice Board, COVS and Department of Vety. Physiology & Biochemistry

  
27.8.21

Professor & Head  
Dept. of Vety. Physiology & Biochemistry