**VETERINARY MEDICINE PROGRAMME**

**MASTER OF SCIENCE IN AVIAN MEDICINE**

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| **Course Code** | **Course Title** | **Course Status** | **Credit Unit** | **Hours of Lecture** | **Hours of Practical** | **Total hours** |
| PAM 711 | Advanced Diagnostic Medicine  | C | 3 | 30 | 45 | 75 |
| PAM 712 | Advaned Clinical Practice I | C | 3 | 30 | 45 | 75 |
| PAM 713 | Avian Internal Medicine I | C | 3 | 45 | 0 | 45 |
| PAM 714 | Advanced Internal Medicine II. | C | 2 | 30 | 0 | 30 |
| PAM 715 | Trauma management in Avian Species | C | 3 | 30 | 45 | 75 |
| PAM 719 | Avian Immunology | C | 2 | 30 | 0 | 30 |
| PAM 725 | Advanced Clinical Practice II. | C | 3 | 30 | 45 | 75 |
| PAM 727 | Advanced Avian Pathology  | C | 3 | 30 | 45 | 75 |
| PAM 735 | Poultry Breeder Health | C | 2 | 30 | 0 | 30 |
| PAM 738 | Disease Surveillance and Emergency Preparedness | C | 2 | 30 | 0 | 30 |
| PAM 739 | Research Methods & Experimental Design | C | 2 | 30 | 0 | 30 |
| PAM 746 | Seminar | C | 1 | 15 | 0 | 15 |
| PAM 747 | Research Internship in Avian Medicine  | C | 1 | 15 | 135 | 150 |
| PAM 748 | Research Thesis | C | 6 | 270 | **-** | 270 |

**MASTER OF SCIENCE IN VACCINE PRODUCTION AND QUALITY CONTROL**

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| **Course code** | **Course title** | **Course status** | **Credit unit** | **Hours of lecture** | **Hours of practical** | **Total hours** |
| PVP 702 | Laboratory biosafety and Biosecurity | C | 2 | 15 | 45 | 60 |
| PVP 703 | Advanced Parasitology | C | 2 | 15 | 45 | 60 |
| PVP 704 | Vaccine Registration Process | C | 2 | 15 | 45 | 60 |
| PVP 710 | Vaccine Quality Control & Quality Management System | C | 3 | 30 | 45 | 75 |
| PVP 711 | Advanced Bacteriology | C | 2 | 15 | 45 | 60 |
| PVP 713 | Advanced Virology | C | 2 | 15 | 45 | 60 |
| PVP 716 | Laboratory Animal Managment | C | 2 | 15 | 45 | 60 |
| PVP 717 | Mycology | C | 2 | 15 | 45 | 60 |
| PVP 718 | Research Methods & Experimental Design | C | 2 | 15 | 45 | 60 |
| PVP 719 | Advanced Immunology | C | 3 | 30 | 45 | 75 |
| PVP 720 | Seminar | C | 2 | 15 | 45 | 60 |
| PVP 721 | Internship in Veterinary Vaccine Production & Quality Control  | C | 1 | 15 | - | 15 |
| PVP 722 | Handling & Shipment of Biological Materials/Cold Chain | C | 2 | 15 | 45 | 60 |
| PVP 723 | Veterinary Vaccine Production | C | 4 | 45 | 60 | 105 |
| PVP 724 | Project | C | 6 | 270 | - | 270 |