

## ZO503 ANIMAL PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

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Programme: Master of Science Zoology MSCZO12

Year / Semester: 1st Year

Credits: 6

### **BLOCK-I: RESPONSE TO ENVIRONMENT**

Unit -1 : Water

Unit -2 : Thermoregulation

Unit -3 : Respiration

Unit -4 : Circulation

### **BLOCK – II: FUNCTIONAL PHYSIOLOGY**

Unit -5 : Nutrition and Digestion

Unit -6 : Excretion

Unit -7 : Immunology

Unit -8 : Nerve and receptors

Unit -9 : Muscle

Unit -10 : Endocrinology and bioluminescence

### **BLOCK – III: PHYSIOLOGICAL CHEMISTRY**

Unit -11 : Enzymes

Unit -12 : Carbohydrates

Unit -13 : Aminoacids

Unit -14 : Proteins

Unit -15 : Lipids

Unit -16 : Biological Oxidation