

BUU GRADUATE SCHOOL OF HEALTH SCIENCES

RESEARCH AREAS (DEPARTMENT LEVEL)

NO	DEPARTMENTS	WORKING AND RESEARCH AREAS
1-	Medicine-Anatomy (MSc, PhD)	Cadaver, osteology, neurosciences, radiological anatomy and anthropometry
2-	Medicine-Biostatistics (MSc, PhD)	Biostatistics
3-	Medicine-Biochemistry (Only PhD)	Oxidative stress and free radical damage, apoptosis, nutritional biochemistry, reference range determination and atherosclerotic cardiovascular diseases
4-	Medicine-Child and Adolescent Psychiatry (Clinical Psychology Child and Adolescent) (Only MSc)	Child and adolescent mental illnesses
5-	Medicine- Deontology (Only PhD)	Deontology
6-	Medicine- Disaster Medicine (Non-thesis MSc)	Disaster Medicine
7-	Medicine-Physiology (MSc, PhD)	<p>Hemostasis, coagulation and fibrinolysis, Epilepsy and peripheral nerve studies, Neuroprotection to reveal neuroprotective processes that can reverse neuronal damage or prevent subsequent neuronal damage;</p> <ul style="list-style-type: none"> - Cerebral ischemia models (Transient/Permanent focal cerebral ischemia model), Basillary artery occlusion & SAH model, head trauma model, spinal cord ischemia model, hypoxic ischemic encephalopathy model, hyperoxic brain injury model - Neurodegenerative disease models and experimental parkinson model, experimental autism model - Investigation of the effects and mechanisms of action of peripheral and central injections of regulatory peptides on blood pressure, heart rate, gastric mucosal damage and gastric mucosal blood flow. - Investigation of the effects and mechanisms of action of various peptides on vascular contractility <p>In this laboratory, where various models such as pain, sleep, learning, memory and depression are created, the mechanisms of action of various substances are examined.</p>
8-	Medicine-Histology–Embryology (MSc, PhD)	Neurosciences and neuroendocrine, reproductive biology and embryology
9-	Medicine-Microbiology (MSc, PhD)	Various epidemiological and surveillance studies on virulence of microorganisms, host-microorganism relationships, antimicrobial susceptibility, resistance mechanisms and determination of resistance genes.
10-	Medicine-Psychiatry (Clinical Psychology-Adolescent)	Psychotic disorders, bipolar affective disorder, alcohol-substance addiction, consultation

	(MSc, PhD)	liaison psychiatry, geriatric psychiatry
11-	Medicine-Medical Biology (MSc, PhD)	Molecular biology and genetics, cancer biology and genetics, neurogenetics, cardiogenetics
12-	Medicine-Radiation Oncology (Health Physics) (Only MSc)	Radiation physics, radiobiology and clinical oncology
13-	Medicine-Medical History and Ethics (MSc, PhD)	Value problems arising from medical practices and scientific research and scientific research in the field of History of Medicine
14-	Medicine-Medical Pharmacology (MSc, PhD)	Neuropharmacology, Cardiovascular Pharmacology, Pain and Analgesia, Experimental Psychopharmacology
15-	Medicine-Immunology (MSc, PhD)	Immune pathogenesis of granulomatous infections, transfusion immunology, gene and cellular-based treatment of autoimmune diseases and cancer immunology
16-	Medicine-Solid Organ Transplant (Non-thesis MSc)	Solid Organ Transplantation
17-	Veterinary - Anatomy (MSc, PhD)	Anatomical inter-species variations of body systems, the effects of race, age, gender, living conditions, movement differences, nutritional conditions and other environmental factors on the anatomy of body systems
18-	Veterinary - Food Hygiene and Technology (MSc, PhD)	Evaluating the compliance of the chemical and microbiological quality of animal foods with legal regulations, detecting common bacterial pathogens/metabolites in animal foods using internationally accepted standard bacteriological methods and molecular-based rapid tests, determining the production hygiene level in businesses to solve problems in the food sector
19-	Veterinary - Biochemistry (MSc, PhD)	Biochemical polymorphism, yield, relationships between different feeding practices and some diseases and biochemical parameters, experimental deficiency and excess studies on minerals, studies investigating the relationships between leptin and fattening performance and reproductive development, and cancer cell biology and metabolism studies
20-	Veterinary - Surgery (MSc, PhD)	In small animal medicine; Orthopedics and traumatology: Studies on bone healing in traumatic diseases of the skeletal system such as osteosynthesis methods with different implants, external fixation, hip prostheses. Studies in the field of soft tissue surgery, especially urinary system surgery, eye, ear and dental diseases. Reanimation, analgesia, thoracic surgery and reconstructive surgery in emergency trauma and shock patients. In the Large Animal Medicine; Locomotor system diseases of cattle and tendon diseases of sports horses

21-	Veterinary - Obstetrics & Gynecology (MSc, PhD)	Estrus synchronization in cows and sheep, infectious and functional infertility in cows, follicular dynamics, mastitis prophylaxis-vaccination and treatment, embryo transfer and in vitro maturation, diagnosis and treatment of vagina and mammary tumors in dogs, pyometra, infectious infertility in mares, reproductive management and ovariectomy
22-	Veterinary - Reproduction and Artificial Insemination (MSc, PhD)	Andrology, artificial insemination, synchronization, in-vitro embryo production and embryo freezing in small and large animals
23-	Veterinary - Pharmacology and Toxicology (MSc, PhD)	Within the scope of environmental toxicology, pesticides, heavy metals, mycotoxins, nitrates and nitrites, antibiotic residues, poisonings, food pollution, toxicity studies with insecticides and drug interactions
24-	Veterinary - Physiology (MSc, PhD)	Veterinary hematology, digestive physiology in ruminants, hormonal system, blood pressure and central and peripheral mechanisms mediating the regulation of blood pressure from the central nervous system, long-term calorie restriction and liver ischemia-reperfusion injury studies on different laboratory animals and especially on rats
25-	Veterinary - Animal Nutrition and Nutritional Diseases (MSc, PhD)	Ruminant study group; In situ, in vivo and in vitro digestibility properties of feedstuffs, feed additives, dairy cattle, beef cattle and sheep feeding and silage issues, Poultry working group; Under the main headings of nutrition for laying hens, broiler chickens and quail, alternative feed and feed additives, mineral balance of body fluids in poultry, effects of nutrition on small intestine morphology, The pet animals working group focuses on food and food additives used in the feeding of pet animals, mainly cats and dogs.
26-	Veterinary - Histology and Embryology (MSc, PhD)	Veterinary Histology and Embryology
27-	Veterinary - Internal Medicine (PhD)	The main studies on Small Animal Medicine are gastroenterology and urinary system, hematology, cardiology, endocrinology, endotoxemia and endotoxemic shock, dermatology, ehrlichiosis and leishmaniosis, etc. It is related to infectious diseases, animal psychology and exotic animals. In Large Animal Medicine, digestive system, metabolism, BIV, BLV, sheep-goat plague, Listeriosis etc. in ruminants. Studies on infectious diseases, neonatal diseases and respiratory and digestive system diseases in horses
28-	Veterinary - Microbiology (MSc, PhD)	Molecular diagnosis of poultry mycoplasmas, molecular confirmation and genotyping of Salmonella isolates isolated from animals, molecular and bacteriological diagnosis of Mycoplasma agalactiae, genetic examination of mecgenin and other virulence factors in Staphylococcus isolates, PCR detection and genotyping of Infectious Bronchitis Virus
29-	Veterinary - Parasitology (MSc, PhD)	Diagnosis and epidemiology of leishmaniosis, neosporosis, eimeriosis, ticks and some

		tick-borne diseases, fly biology, drug trials and resistance detection studies in flies
30-	Veterinary - Pathology (MSc, PhD)	Diseases caused by bacterial, viral, parasitic and other factors and the mechanism of the body's response to these diseases, circulatory system disorders, immune system pathology, neoplastic formations
31-	Veterinary - Animal Science (MSc, PhD)	In addition to farm animals such as cattle, sheep, goats, horses and pigs, poultry animals such as quails, partridges, pheasants, peking ducks and ostrich, especially broilers and laying hens, and pet animals such as cats and dogs, care and management, ecological (sustainable, organic) increasing efficiency with alternative production systems, including production; Development of resistant, productive genotypes with high adaptability using traditional and/or modern biotechnological breeding methods; In the principles of biosecurity from fork to farm, safe food production, herd health (biosecurity) and herd management, production economics and development, increasing animal welfare standards, reducing losses and increasing product quality, development of environmentally compatible production technologies, current and future developments in the fields of basic genetics and biometrics training and research on planning
32-	Veterinary - Aquatic Animal Disease (MSc, PhD)	Studies on diseases, diagnosis and treatment of aquatic creatures such as trout, sea bass and bream
33-	Veterinary - Virology (MSc, PhD)	Molecular epidemiology of pestiviruses, herpesvirus infections and respiratory system infections of ruminants, coronavirus infections and herpesvirus infections of cats and dogs
34-	Veterinary Genetics (MSc, PhD)	QTL analyses, diagnosis of hereditary diseases, gene expressions and mutations, especially the identification of genes that affect the productivity of farm animals.
35-	School of Health - Nursing (MSc, PhD)	Nursing, nursing education, patient care, patient education, surgical nursing, basic practices and skills in nursing, internal medicine nursing, psychiatry nursing, public health nursing, pediatric nursing
36-	School of Sports- Coaching (MSc)	Coaching