

Babu Banarasi Das University Lucknow

Bachelor of Dental Surgery

Ist Year

Course Code	Course Name	Course Outcomes (CO)
BDS 101 (Human Anatomy & Histology)	BDS	CO1. To provide the students comprehensive knowledge of the normal anatomy of the body and to facilitate an understanding of normal health and abnormalities. CO2. Students of BDS course should be able to distinguish between normal and abnormal anatomical structures of the body. CO3. Application of knowledge of anatomy in practice..
BDS 102 (General Human Physiology & Biochemistry)	BDS	CO1. Have an integrated knowledge of organ structure and function and its regulatory mechanisms. CO2. Distinguish between normal and abnormal data derived as a result of tests which the student has performed and observed in the laboratory CO3. Able to interpret experimental and investigative data CO4. Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist.
BDS 103 (DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY)	BDS	CO1. Understand development, structure and function of the teeth, jaws and supporting tissues in the orofacial region. CO2. Apply the knowledge to diagnose developmental disturbances and variations from normal. CO3. Apply the knowledge to correlate the clinical features of various diseases.

IInd Year

Course Code	Course Name	Course Outcomes (CO)
BDS 201 (GENERAL PATHOLOGY & MICROBIOLOGY)	BDS	CO1. Apply basic facts, concepts and theories in the field of Pathology CO2. To recognize and analyze pathological changes at macroscopically and microscopical levels and explain their observations in terms of disease processes. CO3. To integrate knowledge from the basic sciences, clinical medicine and dentistry in the study of Pathology. CO4. understanding of the capabilities and limitations of morphological Pathology in its contribution to medicine, dentistry and biological research. CO5. ability to consult resource materials outside lectures, laboratory and tutorial classes CO6. Student should have acquired the skill to diagnose, differentiate various oral lesions. CO7. Should be able to select, collect and transport clinical specimens to the laboratory & Should be able to carry out proper aseptic procedures in the dental clinic.
BDS 202 GENERAL AND DENTAL PHARMACOLOGY	BDS	CO1. Understanding the pharmacokinetics and pharmacodynamics of essential and commonly used drugs in general and in dentistry in particular. CO2. Analyzing the indications, contraindications; interactions, and adverse reactions of commonly used drugs with reason CO3. Application of knowledge in use of appropriate drugs in disease with consideration to its cost, efficacy, safety for individual and mass therapy needs.
BDS 203 DENTAL MATERIALS	BDS	CO1. The dynamic interaction of biological process and mechanical forces acting on oral and muscular area during prosthodontic treatment. CO2. The etiology, pathophysiology and diagnosis of various prosthodontic problems. CO3. Treatment planing for various common prosthodontic problems.

IIIRD Year

Course Code	Course Name	Course Outcomes (CO)
BDS 301 GENERAL MEDICINE	BDS	CO1. He/she is able to record the arterial pulse, blood pressure CO2. He should be capable of handling medical emergencies encountered in dental practice. " CO3. capable of suspecting by sight and superficial examination of the body – diseases of the heart, lungs, kidneys, blood etc.
BDS 302 GENERAL SURGERY	BDS	CO1 Should be acquainted with various diseases which may require surgical expertise CO2 Able to appreciate normal human structure, development, function and behaviour, leading to understanding of the diseases, its prevention and treatment. CO3 Should have good theoretical knowledge of various ailments and able to differentiate between benign and malignant diseases. CO4 Should have a broad knowledge of the alterations which take place in disease with particular reference to those conditions in which medical and dental co-operation is essential for proper management.
BDS 303 ORAL PATHOLOGY & ORAL MICROBIOLOGY	BDS	CO1 Understand anomalies and diseases affecting the orofacial region and the importance of etiology and pathogenesis in oral diseases. CO2 Evaluate various clinical findings, imbibe the ability to carry out and interpret various investigative procedures to establish definitive diagnosis. CO3. Perform histopathological evaluation of specimens of oral and perioral tissues, carry out routine diagnostic procedures including hematological, cytological, microbiological, immunological and ultrastructural investigations..

IVth Year

Course Code	Course Name	Course Outcomes (CO)
BDS 401 (CONSERVATIVE DENTISTRY AND ENDODONTICS)	BDS	CO1. Able to diagnose and treat carious lesions with or without involvement of pulp. CO2. Should have an adequate knowledge about endodontic and periodontal diseases and their management. CO3. Should understand principle of esthetic dental procedure
BDS 402 (ORAL & MAXILLOFACIAL SURGERY)	BDS	CO1. Able to diagnose, manage and treat patients with basic oral surgical problems. CO2. Have a broad knowledge of maxillofacial surgery and oral implantology. CO3. Understand and practice the basic principles of asepsis and sterilisation. CO4. Should be competent in the extraction of the teeth under both local and general anaesthesia. CO5. Competent to assess, prevent and manage common complications that arise during and after minor oral surgery. CO6. Able to provide primary care and manage medical emergencies in the dental office.
BDS 403 (ORAL MEDICINE AND RADIOLOGY)	BDS	CO1. Able to identify precancerous and cancerous lesions of the oral cavity and refer to the concerned speciality for their management CO2. Should have an adequate knowledge about common laboratory investigations and interpretation of their results. CO3. Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist. CO4. Have adequate knowledge about radiation health hazards, radiations safety and protection. CO5. Competent to take intra-oral radiographs and interpret the radiographic findings CO6. Gain adequate knowledge of various extra-oral radiographic procedures, TMJ radiography & Sialography. CO7. Be aware of the importance of intra- and extra-oral radiographs in forensic identification and age estimation.
BDS 404 (ORTHODONTICS & DENTAL ORTHOPAEDICS)	BDS	CO1. The dynamic interaction of biologic processes involved in growth of craniofacial region and effect on the stomatognathic system. CO2. The etiology, pathophysiology and diagnosis of various common orthodontic problems, understanding of skeletal and dental discrepancies and their treatment by different treatment modalities in fixed orthodontics CO3. biomechanics involved in Treatment for various common orthodontic problems.
BDS 405 (PAEDIATRIC & PREVENTIVE DENTISTRY)	BDS	CO1. Understanding the various parameters of growth and development in children and adolescents including those with special health care needs. CO2. Efficiently understanding the psychology of patients of the pediatric age group and guiding their behaviour to instill a positive dental attitude. CO3. Reaching to an accurate diagnosis, preventive strategies and effective treatment planning for management of various oral health procedures.
BDS 406 (PERIODONTOLOGY)	BDS	CO1. They are able to understand the basic sciences relevant to the speciality. Understand etiology, patho-physiology, principles of diagnosis and management of common problems within the speciality in any population. CO2. Able to identify social, economical, environmental, and emotional determinants in a given case and take them into account for planning treatment. Recognize conditions that may be outside the area of speciality/competence and to refer them to an appropriate specialist CO3. Undertake audit, use information technology and carryout research both basic and clinical with the aim of publishing or presenting the work at various scientific gatherings
BDS 407 (PROSTHODONTICS AND CROWN & BRIDGE)	BDS	CO1. Biological considerations of maxillary and mandibular impression procedures. CO2. Biological considerations of jaw relations and jaw movements. CO3. Recording and transfer bases and occlusal rims. CO4. Relating the patient to the articulator. CO5. Selecting artificial teeth for edentulous patients. Arrangement of artificial teeth. CO6. Perfection and verification of jaw records and creating facial and functional harmony. CO7. Lab procedures and delivery of denture. CO8. Insertion of the denture
BDS 408 (PUBLIC HEALTH DENTISTRY)	BDS	CO1. Understand basic problem in a community. CO2. To implement preventive procedures. CO3. Organise programmes to increase awareness and apply knowledge to improve oral health.