

**101573 Implantology** [2 cr., 1, 2 cl.] This course serves as an introduction to clinical implant therapy provided through a series of lectures and reviews of the “classic” and current implantology literature. Included are reviews of the history of dental implants, implant materials, bone physiology, physical and psychological patient evaluation, surgical and prosthetic treatment planning, surgical and prosthetic case management, the role of occlusion and inflammation, and the importance of ongoing supportive care in long term clinical success in implant therapy. Multiple types of implants and implant systems are presented. Maintenance procedures in implant dentistry.

The curriculum is structured to provide basic learning experience for dental students beyond the fundamental knowledge base in implant dentistry. Implant dentistry is that branch of dentistry pertaining to the reconstruction and maintenance of function, appearance and health of the patient, through replacement of teeth, and contiguous structures with natural and alloplastic substitutes. Emphasis will be placed on: 1) patient evaluation, diagnosis treatment planning and implant selection; 2) implant surgery and post-surgical care; 3) implant prosthodontic procedures and; 4) maintenance protocols. The course format will include seminars, independent study, and clinical observation/assisting.

**Clinic:** The study of modern implant dentistry with emphasis on history, the physiology of osseous integration, treatment planning, implant surgery, fabrication of single and multiple tooth fixed implant restorations and implant-supported removable overdentures, laboratory steps, maintenance and implant problems. Hard and soft tissue augmentation procedures will be studied along with esthetic concerns.