Republique Libanaise
Ministere de L’Education et de L’Enseignement Superieur
Enseignement Technique et Professionnel

Programme du Diplome de Technicien Superieur
1ère et 2ème année

Specialite
Dental Laboratory
Chapter 1  The skeletal system (Anatomy & Physiology)
- Division of the human skeleton
- The skull
- The vertebral column / The ribs and sternum

Chapter 2  The Nervous system (Anatomy & Physiology)
- Central nervous system (Brain And spinal cord)
- Peripheral nervous system (autonomic nervous system, spinal nerves)
- Cranial nerves

Chapter 3  Circulatory System (Anatomy & Physiology)
- Heart and blood vessels
- Circulation of the head and neck
- Blood and fluids

Chapter 4  Digestive system (Anatomy & Physiology)
- Organs of the digestive systems (Pharynx, Esophagus, Stomach, Intestines)
- Oral cavity (Tongue, Teeth)
- Salivary glands

Chapter 5  Excretory System (Anatomy & Physiology)
(kidneys, ureters, urinary bladder and Urethra)
Chapter 6  Endocrine System (Anatomy & Physiology)
(Pituitary gland, thyroid, pancreas, adrenals, Parathyroid, Thymus, Testes and Ovaries)

Chapter 7  Respiratory system (Anatomy & Physiology)
(Lungs, Larynx, nasal cavity)

Chapter 8  Muscular system (Anatomy & Physiology)
- Muscles of the face and skull
- Muscles of mastication
- Muscular contraction
Chapter 1  Introduction
* Nomenclature

Chapter 2  Development and eruption of the teeth
* Tooth Formation standards
* Chronologies of human Dentition
* The primary dentition
* Permanent dentition

Chapter 3  General consideration in the physiology of the permanent dentition
* Form and function
* Comparative Dental anatomy
* Tooth form and jaw movements
* A geometric concept of crown outlines
* Summary of schematic outlines

Chapter 4  The permanent maxillary Incisor
* Maxillary Central Incisor
* Maxillary Lateral Incisor

Chapter 5  The permanent Mandibular Incisor
* Mandibular Central Incisor
* Mandibular Lateral Incisor

Chapter 6  The Permanent Canines, Maxillary and Mandibular

Chapter 7  The permanent Maxillary Premolars
* Maxillary first Premolar
* Maxillary second Premolar

Chapter 8  The permanent Mandibular Premolars
* Mandibular first Premolar
* Mandibular second Premolar
Chapter 9  The permanent Maxillary Molars
* Maxillary Third Molar

Chapter 10  The permanent Mandibular Molars
* Mandibular First Molar
* Mandibular Second Molar
* Mandibular Third Molar

Chapter 11  The Temporomandibular Joints, muscles, and teeth and their functions
* Articulation
* Mandibular position and movements
* Muscles
* Mandibular movements and activity
* Chewing
* Swallowing

Chapter 12  Occlusion
* Concepts of occlusion
* An outline of items suggested for the study of Occlusion
Chapter 1  Edentulous patient:
Definition
Anatomical landmarks (ridges & sulci) of edentulous jaws
Dental articulation

Chapter 2  preliminary impressions and occlusal records
Perforated & non-perforated edentulous trays
Spacing between the tray and tissues & the position of the stops to support the tray
Position of the handle

Chapter 3  Construction of special trays
Trays outline
Kinds of special trays: close fitting or spaced
Finger rests preventing distortion of the periphery of the impression by the fingers

Chapter 4  Recording the final impression and preparation of master casts & occlusalisms
construction of the base
construction procedure: Wax base, shellac base, autopolymerizing acrylic base, & permanent acrylic resin base
Construction of occlusal rims

Chapter 5  The recording of jaw relationships in edentulous patient
Recording centric jaw relationship
the facebow record
PARTIAL DENTURE
THEORETICAL AND PRACTICAL WORKS (60 PERIODS)

Chapter 1  The partially dentate patient
Definition
Retruded position
Muscular contact position (MCP)
Intercuspal position
Postural position (PP)

Chapter 2  Preliminary impressions & occlusal records
Facebow
Diagnostic casts in partial denture construction
Partial dentures 7 spaced trays

Chapter 3  Recording the final impression and preparation of master casts &
occlusal rims
Completion of design detail for the lab: metal partial dentures, & acrylic
partial dentures.
Lab stages: Preparation of master casts
Occlusal rim construction & base construction

Chapter 4  Mounting casts on an articulator

Chapter 5  Treatment planning and partial dentures
Diagnostic casts in partial denture construction
Planning the type of partial dentures
Types of partial dentures
Clasps
Swing lock partial denture
Sectional partial denture
Rotational path of insertion
Z-A anchors
Precision attachments
Preliminary design of the partial denture

Chapter 6

Occlusal\vertical forces
Saddles
Horizontal lateral forces
Displacement of partial denture
Connectors

Chapter 7

Design of partial dentures
Stage I: Beckett classes I & III, class II, Setting the occlusal rests
Stage II: The provision of bracing arms
Stage III: Direct retention, depth of undercut, the cross-sectional shape, size, & length of the clasp arm, the modulus of elasticity of the alloy, the angles of approach of the clasp arm, position of the clasp, mobility of teeth, bracing & retention, aesthetics
Stage IV: Indirect retention
Stage V: Connectors (major & minor), palatal horseshoe connector, palatal bars, palatal plates, mandibular Connectors.
Chapter 1  Different types of preparation
Knife edge
Chamfer
Shoulders
Beveled shoulders

Chapter 2  Diagnostic of the model

Chapter 3  Fabrication of master models and dies
Pindex system
Cut of the dies
Ditching according to the different type of preparation

Chapter 4  Crown contour
Anatomy
Contour of the axial surface

Chapter 5  Pontic design
Hygienic design
Sealed design
Pin point design

Chapter 6  Waxing
P.K. Thomas technique
Chapter 1  Definition and terminology

Chapter 2  Active plate
Constructions
Basic components (Base plate, clasps, active elements)
Clasps
Active elements (Labial wire and labial bow, Springs, screws and elastics)
Fabrication and repairs of active plate
Y-Plates

Chapter 3  Cephalometrics in malocclusal differentiation
Reference points, lines and angles
Saddle angle, Articulator angle and Gonial angle

Chapter 4  Construction bite
Types of malocclusion
Construction bite technique (High and low)

Chapter 5  Inclined plane and Oppenheim Splint
Pseudo-class III malocclusion
Inclined plane added to mandibular Hawley-Type retainer
Vestibular and oral screens of Kraus (Lip bumper)

Chapter 6  Concepts of jaw orthopedics
The function regulator of Fränkle (FR III)
Chapter 7  The Activator
Use and modifications
Fabrication and construction
Steps for the construction bite
Making an activator in the lab (models and construction bite in articulator, height of the bite, the wire bending and labial wire)
Correction of class II division 2 malocclusion
Correction of open bite
Correction of cross bite
Correction of class III malocclusion
Other modifications (Herren-Shaye activator, The bow activator and the Karwetzky modification)

Chapter 8  The Harvold-Wood side activator
Correct trimming procedure
Points in appliance construction (Flanges, labial arch wire, palatal contact and expansion and dislodging springs
Chapter 1  Gypsum products and investments
* Chemical and physical nature of gypsum products (Manufacture, chemical reaction, W/p, Setting, volumetric contraction, effect of spatulation, effect of humidity and effect of colloid systems)
* Properties (Setting time, consistency, viscosity, compressive strength, surface hardness and abrasion resistance, tensile strength, reproduction of detail and setting expansion)
* Manipulation
* Casting investments (Properties, composition for refractory and binder material, calcium phosphate bonded investments)
* Properties of calcium-phosphate bonded investment
* Effect of temperature on investment (silicon dioxide, refractory, calcium sulfate binders and cooling the investment)
* Setting and hygroscopic expansion of calcium sulfate-bonded investment (W/P ratio, spatulation, age of investment, delay before immersion, water bath temperature, Choice of binder material, silica, silica-binder ratio and role of water)
* Hygroscopic Thermal gold casting investment
* Investment for casting high-melting alloys
* Soldering investment
* Investment for all ceramic restorations

Chapter 2  Waxes
* Waxes, gums and resins (natural and synthetics waxes, gums and resins)
* Characteristic properties of waxes (melting range, thermal expansion, mechanical properties, flow, residual stress and ductility)
* Dental waxes Physical characteristics and composition (Inlay pattern, Casting wax, Resin modeling material, base plate wax, boxing wax, utility wax, sticky wax, corrective impression and bite registration wax)
Chapter 3  

**Impression Materials**

* Purpose of impression materials Desirable qualities
* Types of impression materials

TS1 DENTAL LAB

* Rubber impression material ( Polysulfide, silicon, polyether, Composition, Proportioning, mixing, Properties, working time, setting time, deformation, flexibility, strength, compatibility, dimensional stability, viscosity advantage, applications, disadvantage and disinfection) Rubber impression materials for bite registration
* Zinc Oxide-Eugenol impression paste ( Composition, Proportioning, mixing, Properties, working time, setting time, deformation, flexibility, strength, compatibility, dimensional stability, applications, advantage, disadvantage and disinfection)
* Plaster ( Composition, Proportioning, mixing, Properties, working time, setting time, deformation, flexibility, strength, compatibility, dimensional stability, applications, advantage, disadvantage and disinfection)
* Waxes and impression compounds ( Composition, Proportioning, mixing, Properties, working time, setting time, deformation, flexibility, strength, compatibility, dimensional stability, applications, advantage, disadvantage and disinfection)
* Die cast ( Copper, silver and epoxy dies)
* Comparison of impression and die materials,

**Chapter 4**

**Noble dental alloys and solders**

* Metallic elements used in dental alloys
* Noble metals ( Gold, Platinum, Palladium, iridium and rhodium)
* Base metals ( Silver, Copper, Zinc, Indium, Tin, Gallium and Nickel)
* Binary combination of metals ( Alloy composition and temperature, hardening, formulation and carat)
* Casting alloys ( Composition, grain size, properties: melting range, density, strength, hardness, elongation)
* Gold-based alloys for porcelain-metal (restorations)
* Wrought alloys ( microstructure, compositions, properties)
* Solders and soldering operations
* Microstructure of soldered joints
* Silver solder
* General suggestions for soldering
* Infrared soldering
* Casting to imbedded metal alloys

Chapter 5

* General requirement of a dental alloy
* Cobalt-Chromium and Nickel-Chromium Casting alloy
* Composition
* Microstructure of cast base metal alloy
* Heat treatment of base metal alloy
* Physical properties
* Mechanical properties
* Corrosion
* Crown and bridge casting alloys
* Other applications of cast base metal alloys
* Titanium and titanium alloys
* Cast titanium
* Wrought Cobalt-Nickel-titanium alloy (Composition, manipulation and properties)
* Orthodontic wires
* Other alloys

Chapter 6 **Casting Procedures**

* Casting Practices for Low-Fusing Gold Alloys
* Dimensional Changes
* Means of compensation
* Formation of Inlay Patterns
* Direct wax patterns
* Indirect wax patterns
* Sprucing the pattern
* Wetability
* Distortion
* Investing Procedure for Wax Patterns
* Hand-investing procedure
* Vacuum-investing procedure
* Investing patterns for water-added technique
* Heating the mold
* Wax elimination
* Oven temperature
* Practical Differences between Hygroscopic and High-Heat Techniques
* Casting Facilities
* Methods of melting alloys
* Casting machines
* Some Common Casting Problems
* Casting and Soldering Fluxes
* casting Porcelain Veneer Metal Structures, 454
* Cleaning and "Pickling" Gold Alloys
* Casting of Cobalt-Chromium and Nickle-Chromium Alloys

* Finishing of base metal partial denture castings
* Casting of Titanium
* Casting of Glass
Chapter 1  The central maxillary incisors(right & left)
Chapter 2  The lateral maxillary incisors(right & left)
Chapter 3  The central mandibular incisors(right & left)
Chapter 4  The lateral mandibular incisors(right & left)
Chapter 5  The maxillary canines(right & left)
Chapter 6  The mandibular canines(right & left)
Chapter 7  The maxillary first premolars(right & left)
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Chapter 11 The first maxillary molars(right & left)
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Chapter 13 The first mandibular molars(right & left)
Chapter 14 The second mandibular molars(right & left)
Chapter 15 The third maxillary molars(right & left)
Chapter 16 The third mandibular molars(right & left)
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<th>Evolution of dental medicine (From Hypocrate to the modern medicine)</th>
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<td>The importance of the dental student in the practice of Dentistry</td>
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<td>Continuing education and future ambitions</td>
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LANGUAGES AND TERMINOLOGY
(30 PERIODS)

Objectif :
Ce cours a pour but de:
- familiariser les étudiants avec la terminologie médicale.
- Connaître la signification des termes médicaux à partir de leur étiologie.
- Acquérir un mécanisme d’esprit permettant de comprendre les termes médicaux grâce à leur étymologie.
- Connaître les abréviations les plus couramment utilisées.

LANGUE ANGLAISE/FRANÇAISE

Objectif:
. Introducing oneself and talking to people.
. Understanding and writing instructions.
. Picking the outline out of a passage and outlining.
. Consulting documents related to professions.

I- Communicating:
. Basic dialogue.
. Maintaining a conversation.

II- Picking out the theme
Picking out the structure of the statement
Finding the logical links between different parts of a text
Reproducing the statement.

III- Reading and finding the connection between the text and the illustration, targeted research for information, understanding technical terms.
TECHNICIEN SUPERIEUR
2ème année

Spécialité
Dental Laboratory
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<td>Selection of shade</td>
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<td>Selection of material</td>
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<td>Mounting dentate casts</td>
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<td>Setting up artificial teeth for complete dentures</td>
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<td>tooth positioning:Setting up of anterior teeth,setting up the maxillary posterior teeth,techniques for setting up cuspless teeth.</td>
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<td>Three-point contact (Sears technique)</td>
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<td>Arrangement of posterior teeth in crossbite relationship</td>
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<td>Waxing up the trial dentures</td>
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<td>Investing or flasking:Flasking procedure,packing,deflasking.elimination of processing errors</td>
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<td>Polishing &amp; finishing acrylic resin</td>
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<td>Copy dentures</td>
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<td>Overdentures</td>
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<td>Reciprocal impression technique (Neutral Zone)</td>
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<td>Repairs , Additions and relines to existing dentures</td>
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<tr>
<td>Repairs of acrylic complete dentures</td>
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<td>Tooth replacement</td>
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# PARTIAL DENTURE
THEORETICAL AND PRACTICAL WORKS (120 PERIODS)

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<td>Construction of partial dentures</td>
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<td>Creating the impression</td>
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<td>Preparation of the master cast</td>
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<td>Duplication of the master cast</td>
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<td>Pouring the investment cast</td>
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<td>Hardening the cast</td>
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<td>The wax pattern</td>
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<td>The mandibular denture</td>
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<td>The maxillary denture</td>
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<td>Spruing</td>
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<td>The casting process</td>
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<td>Investing the wax pattern</td>
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<td>The heating cycle</td>
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<td>Casting techniques: Induction melting, removing the investment from the casting, removal of the sprues</td>
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<td>The addition of wrought clasps, Soldering with the microwelder, solders, fluxes, polishing (electrolytic, mechanical)</td>
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<td>Soldering with the microwelder</td>
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<td>3</td>
<td>Trials for metal and acrylic resin partial dentures</td>
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<td>Metal partial dentures, plastic partial dentures, selection of teeth, mounting master casts on the articulator, tooth arrangement, articulation, &amp; aesthetic considerations.</td>
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<td>Processing of partial dentures:</td>
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<td>Partial dentures removal of the wax pattern</td>
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<td>separation, preparation of the acrylic resin, packing, deflasking, elimination of processing errors, selective grinding of partial dentures</td>
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Chapter 7  The relevance of previous dentures
Copy dentures
Overtreatures
Reciprocal impression technique (Neutral Zone)
Repairs, Additions and relines to existing dentures
Repairs of acrylic Partial dentures
Tooth replacement
Adding tooth to denture as an immediate replacement
Relines of partial dentures
Immediate dentures
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<td>Relation between the heat rate, final temperature and the expansion</td>
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<td>Casting of different alloys</td>
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<td>Deflasking, Finishing and polishing</td>
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<td>Intracoronal and extracoronal attachments</td>
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<td>Telescopic Bridges, Inlays, onlays and maryland bridges</td>
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<td>Inlay core</td>
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Chapter 1  Technical and laboratory aspects
Technical directions to technicians regarding construction of the activator
Design of labial arch wire
Placement of lingual relief
Construction of the labial arch
Dislodging springs
Fabrication of trimming
Extension of acrylic for incisor protection in class II activator
Design of labial arch wire for class III activator
Application of separating medium
Add wax sheet to mold labial extension
Sprinkle acrylic on casts
Curing the acrylic

Chapter 2  Herren's dentofacial orthopedics(Herren activator)
Overcompensating construction wax bite in class II malocclusion
Selective grinding
Retention

Chapter 3  The propulsor, the palate-free activator, and the elastic open activator

Chapter 4  The bionator
Lip seal importance
Types of appliances
Standard appliance
Wire elements
Appliance modifications
Bionator modifications and its different parts (Acrylic body, transpalatal bar, maxillary labial bow, mandibular labial bow, wire stops, auxiliary appurtenance and metal bite plane)
Chapter 5  
**Functional interceptor appliance (FIA)**  
Design  
Transverse, sagittal and vertical positioning of the mandible  
Selective grinding

Chapter 6  
**Bimler appliance**  
The A, B and C appliances  
The 1, 2, 3, 4, 5, and 6 appliance variations  
Prefabricated parts (Code letters and colors, lower and upper arches, connecting bars, connecting springs for double plates, coffin spring, loops, splints and cuspid supports

Chapter 7  
**Frankel function regulator**  
Construction and use  
Components (Shields, Pads, Bow and Wires)  
Working model Pour-Up and trimming  
Cast carving  
Seating grooves  
Laboratory prescription and procedures (Work model mounting, Wax relief, wire forming, lower lingual support wire, lower lingual springs, lower labial wires, palatal bow, labial bow, canine loop, fabrication of the acrylic portions for the FR, shields and lip pads)

Chapter 8  
**Combined fixed & removable orthodontic appliances**  
ACCO of Margolis(modifications)  
Pfeiffer-Groberty activator  
Hickham & Shaye combination
Chapter 1  Introduction and objectives

Chapter 2  Definition and terminology

Chapter 3  Functional anatomy and biomechanics of the masticator system
Dentition and supportive structures
Skeletal components (Maxillary and mandible)
Biomechanics of temporomandibular joints TMJ
Ligaments

Chapter 4  Physiology of masticator system
Masticator muscles and mastication
Tooth contacts during mastication
Swallowing
Speech and articulation of sound

Chapter 5  Mandibular movements and the envelope of motion
Type of movements (Translational, rotational and functional)
Guidance (Anterior tooth and condylar guidance)
Arch rhythmicity, arch of continuity and plane of occlusion
Curve of Spee
Buccolingual and mesiodistal landmark relations

Chapter 6  Principles of occlusal form and function (Determinants of occlusal morphology)
Prognathic, retrognathic and orthognathic profiles
Plane of occlusion
Bennett movement
Guidance
Relationship between anterior and posterior controlling factors
Mandibular positions (maximum intercuspal position MIP, Retruded contact position RCP, and postural position) and centric relation
Criteria for optimum functional occlusion
Chapter 7  **Malocclusions**
Classification
Criteria for therapeutic occlusion
Maximum intercuspal position versus centric relation

Chapter 8  **Occlusal adjustment by selective grinding**
Technique

Chapter 9  **Occlusal appliance therapy**
Types of occlusal appliances (Partial and total)
Fabrication technique

Chapter 10  **Use of articulator in occlusal therapy**
Articulators (Nonadjustable, Semi-adjustable and adjustable)
Functional (diagnostic) prewax
Esthetic (diagnostic) Prewax
Orthodontic set-up
Bennett angle

Chapter 11  **Selective grinding**
Important considerations and goals
Developing and acceptable centric relation contact position
Technique (procedures for canine guidance and for group function guidance)
Partial selective grinding
Chapter 1  Fabrication of master model
Pindex system
Cut of the dies
Ditching according to the different type of preparation

Chapter 2  Fabrication of artificial gums
Duplicate the gums
Injection of the soft silicone

Chapter 3  Different types of dental ceramics
Low fusing ceramics
Normal ceramics
Alumina ceramics
Zirconia ceramics

Chapter 4  Different types of dental alloys
Non precious
Precious
Importance of thermal expansion in ceramics

Chapter 5  Fabrication of infrastructure
Design of infrastructure
Design of the pontic

Chapter 6  Casting and preparation of the infrastructure to receive ceramics
Casting of the nonprecious and precious alloys
Deflasking
Grinding and finishing

Chapter 7  Build-up the ceramic
Build-up the opaque (Paste and powder opaque)
Build-Up the dentine, incisal and transparent powders

Chapter 8  Internal shading the ceramics
Introducing different effects while building the ceramics (young,
Chapter 9  Baking the ceramic

Chapter 10  Different aspects of the surface

Chapter 11  Finishing the ceramics and external shading

Chapter 12  Contact ceramic-tooth

Chapter 13  Welding
   Investing
   Cleaning
   Welding

Chapter 14  Lights and colors
   Importance of lights in dental ceramic
   Different types of shade guide

Chapter 15  Inlay, Onlay and Veneer ceramic
   Duplicate the model
   Investing
   Build-up the ceramic and bake

Chapter 16  Jaket crown or Ceramo-Ceramic crown
   Inceram system
   Empress system
   Procera system
Chapter 1 Ceramics
* Composition
* General Applications in Dentistry
* Porcelain as Tooth Restorative Material
* Porcelain technique
* Types of tooth restorative porcelain
* Fusion of porcelain
* Properties of fused porcelain
* Porcelain crowns
* Porcelain inlays
* Machined restorations
* Porcelain enamel-metal restorations
* Core materials
* Cast Glass Ceramics
* High-temperature injection molding
* Optical Properties
* Esthetic Porcelain Veneers
* Porcelain Artificial Teeth
* Manufacture
* Vacuum firing
* Properties

Chapter 2 Ceramic Metal Systems
* Ceramic-Metal Systems
* Ceramic-Metal Bonding
* Evaluation of ceramic-metal bonding
* Ceramics for Porcelain-Fused-to-Metal Bonding
* Alloys for Porcelain-Fused-to-Metal Bonding
* Composition of noble metal alloys
* Composition of base metal alloys
* Properties of Alloys for Ceramic-Metal Restorations
* Preparation of Porcelain-Fused-to-Metal Restorations

Chapter 3 Prosthetic Applications of Polymers
* Properties of Denture Base Materials
* Physical form and composition
* Powder ,Liquid and Gel types
* Other denture materials
  * Pour type of denture resins
  * High-impact strength materials
  * Rapid heat-polymerized resins
  * Light-activated denture base resins

* Tensile and compressive strength
* Elongation
* Elastic modulus
* Proportional limit
* Impact strength
* Transverse strength and deflection
* Fatigue strength
* Fracture toughness
* Compressive creep
* Recovery after indentation
* Hardness
* Abrasion resistance
* Thermal characteristics
* Thermal conductivity
* Basic heat
* Thermal coefficient of expansion
* Heat distortion temperature
* Other properties of denture plastics
* Density
* Polymerization ~shrinkage
* Dimensional stability and accuracy
* Water sorption and solubility
* Resistance to acids, bases, and organic solvents
* Processing ease
* Adhesion properties
* Esthetics
* Tissue compatibility
* Shelf life

**Chapter 4**
* Manipulation and Processing of Denture Base Plastics
  * Heat-accelerated acrylic denture plastics
  * Proportioning
  * Packing
  * Processing
  * Deflasking and finishing
  * Residual monomer
  * Dimensional changes

**Chapter 5**
* Chemically accelerated acrylic denture
  * Plastics-compression molding
* Manipulation and processing
* Properties
* Fluid resin acrylic denture plastics
* Light-cured denture plastic
* Forces involved in denture retention
* Effect of auxiliary materials on denture plastics
* Plaster and stone
* Impression materials

* Mold separators
* Characterization materials
* Denture cleansers

Chapter 6  * Repair materials
* Relining and rebasing dentures
* Relining
  * temporary relining resin,
* Rebasing
* Tissue conditioners
* Soft or resilient denture liners
* Mouth-cured soft liners
* Processed soft liners
* Denture Teeth

Chapter 7  * Maxillofacial Materials
* Poly(methyl methacrylate)
* Plasticized polyvinylchloride
* Polyurethane
* Heat-vulcanized silicone
* Room temperature-vulcanized silicones
* Experimental elastomers
* Fabrication of the prostheses
* Physical properties
* Plastic Facings for Crown and Bridge Applications
* Temporary Crown and Bridge Restorations
* Occlusal Splints
* Athletic Mouth Protectors
* Inlay Patterns
* Impression Trays and Record Bases
المعدل المفترج: (6)

مقدمة: يهدف هذا البرنامج إلى إعطاء الطلاب القواعد القانونية في مجال اختصاصهم بحيث يصبح الطالب قادراً على القيام بأعماله في هذا الاختصاص دون عواقب أو مخالفات قانونية.

تقسم هذه الدراسة إلى ثلاثة أقسام:

القسم الأول: قانون العمل.

القسم الثاني: قانون الضمان الاجتماعي.

القسم الثالث: مهنة علوم مختبرات الأسنان.

- القسم الأول -

قانون العمل

• الأشخاص المحبوضون لحكمهم.
• الأشخاص غير المحبضين لحكمهم.
• تعريف عقد العمل الفرنسي.
• أركانه (العمل والأجر والرابطة البدنية).
• ميزاته (عقد رضى - معاوضة - إذعان - لا يمكن أن يكون لمدى الحياة).
• معيار (النوع القانوني والتبعية الاقتصادية).
• إنعقاده (حرية التعاقد على العمل - طرق العقد - هدفه - التراضي).
• موجبات طرف العقد.
• موجبات الاجبر.
• موجبات صاحب العمل.
• الإجازات وانواعها.
- النظام الداخلي للعمل.
- بطلان عقد العمل الفردي.
- إنتهاء عقد العمل الفردي.
- الانذار بالصرف.

- تعريفه.
- شروط صحته.
- مدته.
- حالات عدم جواز توجيهه.
- نتائجه.

- فسخ عقد العمل الفردي.
- الصرف التعسفي من قبل صاحب العمل.
- الفسخ التعسفي من قبل الأجر.
- عقد التدريب المهني والفرق بينه وبين فترة التحريجة.
- علاقات العمل الجماعية.

- النقابات: إنشاء النقابة (الشروط المتعلقة بالأشخاص – الشروط المتعلقة بالشكل).
- إدارة النقابة – حل النقابة).
- عقود العمل الجماعية: إبرام العقد (فرق العقد – شروط العقد).
- مضمون العقد.
- ميدان العقد (على الصعيد المكاني والزمني والمهني).
- الطبيعة الحقوقية للعقد (نظام – من العقود النفاوضية).
- توسيعه.

- تسوية النزاعات الجماعية: الوساطة – التحكيم.
- مراقبة تطبيق قانون العمل.
- تفتيش العمل وصلاحاته.
- وقاية الأجزاء والصحة المهنية.
- جزاء الخلل بالوقاية الصحية.
- الشكاوى أمام وزارة العمل / مصلحة الشؤون المهنية ( العقوبات والغرامات).

القسم الثاني - قانون الضمان الاجتماعي

- مجلّة عامة عن تاريخ إنشاء الصندوق.
- تنظيمه وطبيعته القانونية.
- شروط الانسداد إليه.
- فروعه: - فرع المرض والأمومة.
  - فرع التقدمات العائلية.
  - فرع تعويضات غياب الخدمة.
  - فرع ضمان طوارئ العمل والأمراض المهنية.
  - فرع نظام الشيخوخة.
- مراقبة مقتنيات الضمان الاجتماعي.

القسم الثالث - مهنة مختبرات الأسنان
تنظيم مهنة علوم مختبرات الآسنان. (قانون رقم 554 تاري 24/7/1996)

- تعريف مهنة علوم مختبرات الآسنان.
- مراولة مهنة علوم مختبرات الآسنان: المؤهلات العلمية
- التسجيل في النقابة.
- الشروط الخاصة بالاجانب.

تنظيم مختبرات ميكانيكي الآسنان. (رسوم رقم 4774 تاري 4/1/46/1946)

(شروط مراولة المهنة)

نقابة خصوصي علوم مختبرات الآسنان:
- مهاره (مهنية، طبية، إدارية)
- شروط الانتساب إلى النقابة.
- تنظيم النقابة (المجلس العام - مجلس النقابة).
- لجنة النقابة (المجلس العلمي - اللجنة الماوية - اللجنة الإدارية).
- واجبات خصوصي علوم مختبرات الآسنان: الواجبات المهنية.
- موجب احترام سر المهنة.

الجهات التي تؤولي إجراء الرقابة على مختبرات الآسنان.

- مسؤولة خصوصي علوم مختبرات الآسنان:
  - المسؤولية المدنية.
  - المسؤولية المهنية (التأديب).
  - المسؤولية الجزائية.

شروط إعطاء الترخيص بفتح مختبر آسنان. (قانون رقم 203 تاريخ 26/5/2000)

- الحالات التي يتم فيها سحب الترخيص.

ملاحظة: على أستاذ المادة مرااعة أي تعديل قد يطرأ على النصوص القانونية المشار إليها في هذا المنهج.