

Course Description Form

1. Course Name: Prosthodontics	
2. Course Code: ZUDE0202	
3. Semester / Year: 2025-2026	
Annual	
4. Description Preparation Date: 15/8/2025	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hours (Theoretical) + 60 hours (Practical). (Two theoretical hours and two practical hours week)	
7. Course administrator's name (mention all, if more than one name)	
Name: safa abbas mohammad Email: safa.abbas@alzahu.edu.iq	
8. Course Objectives	
Course Objectives	- Introducing the replacement of missing teeth in general - Introducing the most important terms used in explaining the course - Clinical and practical steps for making complete dentures
9. Teaching and Learning Strategies	
Strategy	- Presenting the theoretical material and explaining it in detail through PowerPoint and educational videos - Use questions and brainstorming - Urging the student to think and solve problems by giving encouraging grades for each additional scientific participation during the practical laboratory - Create a competitive spirit through questions and homework

10.Course structure					
Week	Hours	Subject name	Required learning outputs	Learning method	Assessment method
1	1	Introduction	Complete denture ☐ Objective of complete denture ☐ General consideration in complete denture construction ☐ Complete denture	Lecture (power-point)	quiz every 2 weeks

			component parts		
2	1	Anatomical landmarks	Anatomical landmarks ☐ Maxillary arch anatomical landmarks ☐ Supporting structures ☐ Limiting structures ☐ Relief areas	Lecture (power-point)	quiz every 2 weeks
3	1	Anatomical landmarks	Anatomical landmarks ☐ Mandibular arch anatomical landmarks ☐ Supporting structures ☐ Limiting structures ☐ Relief areas	Lecture (power-point)	quiz every 2 weeks
4	1	Complete Denture Impression	Impression tray - Definition ☐ Parts of the impression tray ☐ Types of tray ☐ Stock tray – Definition ☐ Types of stock trays ☐ Factors effect in selection of stock tray	Lecture (power-point)	quiz every 2 weeks
5	1	Complete Denture Impression.	Special tray ☐ Advantages of special tray ☐ Materials used for construction of special tray ☐ Types of special tray Techniques or methods for construction of special tray ☐ Criteria for special tray construction	Lecture (power-point)	quiz every 2 weeks
6	1	Complete Denture Impression	Dental impression - Definition ☐ Complete denture impression - Definition ☐ Objective of impression making ☐ Primary impression - Definition ☐ Materials used for making primary impression ☐ Primary cast - Definition ☐ Production of study	Lecture (power-point)	quiz every 2 weeks

			cast ☐ Secondary impression - Definition ☐ Master cast- Definition ☐ Materials used for final impression ☐ Technique used for making final impression ☐ Boxing an impression and making the casts ☐ Advantages of boxing ☐ Common fault in impression making		
7	1	Record Base	Record base - Definition ☐ Requirements of record base ☐ Types of materials used in construction of record base	Lecture (power- point)	quiz every 2 weeks
8	1	Occlusion Rims	Occlusion rims - Definition ☐ Requirements of occlusion rim ☐ Materials used in construction of occlusion rim ☐ Measurements of maxillary occlusion rim ☐ Measurements of mandibular occlusion rim ☐ Uses of occlusion rim ☐ Occlusal plane ☐ Fox – bite	Lecture (power- point)	quiz every 2 weeks
9		Anatomy And Physiology Of Temporomandibul ar Joint	Temporomandibular joint (TMJ) – Definition ☐ Ligaments ☐ Muscles		
10		Anatomy And Physiology Of Temporomandibul ar Joint	Mandibular axes and mandibular movements ☐ Knowledge of mandibular movements ☐ Mandibular movements	Lecture (power- point)	quiz every 2 weeks
11	1	Maxillomandibular Relation	Types of jaw relation ☐ Vertical jaw relation ☐ Rest position ☐ Inter – occlusal	Lecture (power- point)	quiz every 2 weeks

			distance ☐ Importance of vertical dimension ☐ Increased vertical dimension ☐ Decreased vertical dimension		
12	1	Methods Of Recording Vertical Relation	Method of recording rest vertical dimension ☐ Method of recording occlusal vertical dimension ☐ Pre – extraction records ☐ Methods without pre – extraction record	Lecture (power-point)	quiz every 2 weeks
13	1	Horizontal Jaw Relation	Centric jaw relation ☐ Importance of centric jaw relation ☐ Methods of recording jaw relation ☐ Factors that complicates centric jaw relation ☐ Methods of recording eccentric jaw relation	Lecture (power-point)	quiz every 2 weeks
14	1	Dental Articulators (Classification & Digital computerized articulator programming)	Dental articulator ☐ Definition ☐ Functions of articulator ☐ Requirements of articulator ☐ Types of articulator		
15	1	Face – Bow	Face- bow ☐ Definition ☐ Parts of face – bow ☐ Types of face – bow ☐ Important of the face – bow	Lecture (power-point)	quiz every 2 weeks
16	1	Mounting	Mounting ☐ Definition ☐ Preparation of articulator ☐ Preparation of the casts and mounting the upper cast on CL II articulator ☐ Mounting the lower cast ☐ Errors occurred during mounting		
17	1	Selection Of Artificial Teeth	Selection of anterior teeth ☐ The factors of shade	Lecture (power-point)	quiz every 2 weeks

			selection ☐ Size selection a. Length b. Width ☐ Form selection ☐ Materials of anterior teeth ☐ Difference between acrylic and porcelain teeth		
18	1	Selection Of Posterior Teeth	Shade ☐ Bucco-lingual width ☐ Mesio-distal length ☐ Occluso-gingival height ☐ Occlusal form ☐ Advantages of cusp form teeth ☐ Advantages of non-cusp form teeth	Lecture (power-point)	quiz every 2 weeks
19	1	Arrangement Of Artificial Teeth	Guideline of artificial teeth arrangement ☐ Arrangement of anterior teeth ☐ Arrangement of upper anterior teeth		
20	1	Arrangement Of Posterior Teeth	Curve of Spee ☐ Compensatory curves ☐ Arrangement of lower posterior teeth ☐ Arrangement of upper posterior teeth ☐ Common errors in arrangement of teeth	Lecture (power-point)	quiz every 2 weeks
21		Waxing And Carving	Waxing ☐ Definition ☐ Requirements of waxing the polish surfaces ☐ The procedure of waxing ☐ Establishing the posterior palatal seal area ☐ Procedure for carving of posterior palatal seal area ☐ Advantages of posterior palatal seal ☐ Esthetic consideration in complete denture		
22+ 23	2	Complete Denture Occlusion	Occlusion ☐ Occlusion of complete denture ☐ Centric occlusion	Lecture (power-point)	quiz every 2 weeks

			☐ Centric relation ☐ Eccentric occlusion ☐ Concepts of complete denture occlusion ☐ Try-in appointment		
24	1	Processing Of The Denture (Flasking)	Flasking of the denture ☐ Flasking techniques	Lecture (power-point)	quiz every 2 weeks
25	1	Occlusal Correction	Causes of errors in occlusion ☐ Selective grinding ☐ Correction of occlusal errors ☐ Disadvantages of intra – oral correction ☐ Advantages of extra – oral correction Rules for selective grinding		
26	1	Finishing And Polishing Of Complete Denture	Procedure of finishing ☐ Grinding and cutting instruments ☐ Polishing of complete denture ☐ Principles of polishing ☐ Procedures of polishing.	Lecture (power-point)	quiz every 2 weeks
27	1	Repair Of Complete Denture	Types of material used in repair ☐ Causes of denture fracture ☐ Types of repair ☐ Laboratory procedure for repairing fractured denture base		
28	1	Finishing And Polishing of Complete Denture	Replacement of broken or missing tooth ☐ Replacement of missing or lost part ☐ Requirement of repair	Lecture (power-point)	quiz every 2 weeks
29	1	Relining And Rebasing	Indication for relining or rebasing ☐ Relining ☐ Contraindications of relining and rebasing ☐ The impression techniques for relining and rebasing	Lecture (power-point)	quiz every 2 weeks
30	1	Relining and rebasing	Laboratory procedures for relining ☐ Rebasing ☐ The chair – side reline	Lecture (power-point)	quiz every 2 weeks

			technique		
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10.Course structure (practical aspect)					
Week	Hours	Subject name	Required learning outputs	Learning method	Assessment method
1	2	Introduction to Removable Partial Dentures		Lecture (power-point)	Quizzes and practice evaluation
2+3	4	Preparation of primary casts from plaster		Lecture (power-point)	Quizzes and practice evaluation
4	1	Demonstration on stock trays and primary impression		Lecture (power-point)	Quizzes and practice evaluation
5+6	4	Demonstration and construction of special trays		Lecture (power-point)	Quizzes and practice evaluation
7	2	Finishing of special tray, border molding, boxing		Lecture (power-point)	Quizzes and practice evaluation
8	2	Upper and lower record base construction		Lecture (power-point)	Quizzes and practice evaluation
9	2	Finishing of record base		Lecture (power-point)	Quizzes and practice evaluation
10+11	4	Demonstration and construction of Occlusal rim		Lecture (power-point)	Quizzes and practice evaluation
12	2	Types of articulators, using fox bite, using face bow		Lecture (power-point)	Quizzes and practice evaluation
13	2	Mounting on articulator		Lecture (power-point)	Quizzes and practice evaluation
14+15+16	6	Arrangement of anterior teeth		Lecture (power-point)	Quizzes and practice evaluation
17+18+19	6	Arrangement of posterior teeth		Lecture (power-point)	Quizzes and practice evaluation
20+21	4	Waxing and carving of trial denture		Lecture (power-point)	Quizzes and practice evaluation
22+23	4	Flasking, wax elimination		Lecture (power-point)	Quizzes and practice evaluation

24+25	4	Packing and curing, deflasking		Lecture (power-point)	Quizzes and practice evaluation
26+27	4	Finishing and polishing		Lecture (power-point)	Quizzes and practice evaluation
28+29	4	Types of denture repair		Lecture (power-point)	Quizzes and practice evaluation
30	2	Relining and rebasing		Lecture (power-point)	Quizzes and practice evaluation

11.Course Evaluation

- Midyear written exam: 15 marks
- Annual pursuit: 25 marks
- Final clinical exam: 20 marks
- Final written exam; 40 marks

12.Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Textbook of complete denture 6th edition updated 2009. 2. Dental laboratory technology for removable prosthodontics. 3. Textbook of complete denture 6th edition updated 2009 Dental laboratory technology for removable prosthodontics
Main references (sources)	1. Textbook of complete denture 6th edition updated 2009. 2. Dental laboratory technology for removable prosthodontics.
Recommended books and references (scientific journals, reports...)	Journal of prosthetic dentistry.
Electronic References, Websites	Iraq Virtual Science Library (IVSL) Dental Clinics of north America • Articles • S. Yamashita, M. Shimizu, and H. Katada, "A newly proposed method to predict optimum occlusal vertical dimension," Journal of Prosthodontics, vol. 24, no. 4, pp. 287–290, 2015.