

Academic description of Advanced Bridges

1. Course Name:					
Advanced Bridges					
2. Course Code:					
3. Semester / Year: second semester/third year					
4. Description Preparation Date: 23/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 30 practical hours/ 2					
7. Course administrator's name (mention all, if more than one name)					
Name: M.M. Sana Nouri Ali					
Email: alyaserim93@gmail.com					
8. Course Objectives					
Course Objectives	- To familiarize students with the materials used in crown and bridge fabrication and how to handle them. - To enable dental technology students to fabricate fixed crowns and bridges				
9. Teaching and Learning Strategies					
Strategy	1. Teaching students about crown and bridge concepts. 2. Teaching students about the tools used in crown and bridge laboratories. 3. Teaching students how to choose the appropriate case and treatment plan. 4. Teaching students how to fabricate ceramic crowns and bridges.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Identify types and designs of fixed prostheses	Laboratory failure the bridge	theoretical	Short exams and discuss
Second	2	Understand terminology and types	Soldering and welding	theoretical	Short exams and discuss

Third	2	Types and designs of connectors between bridge components	Types of ceramic according to composition and temperature	theoretical	Short exams and discuss
Fourth	2	Understand designs of metal-ceramic prostheses.	Step-by-step procedure of porcelain build-up (1)	theoretical	Short exams and discuss
Fifth	2	Identify wax pattern fabrication methods.	Step-by-step procedure of porcelain build-up (2)	theoretical	Short exams and discuss
Sixth	2	Identify wax pattern fabrication methods.	Step-by-step procedure of porcelain build-up (3)	theoretical	Short exams and discuss
Seventh	2	Identify the wax pattern investment process.	All ceramic restoration: types	theoretical	Short exams and discuss
Eighth	2	How to select metals used in ceramic fabrication	All ceramic restoration techniques	theoretical	Short exams and discuss
Ninth	2	Learn metal burning and casting methods.	Retainer for a removable partial denture: types and indications	theoretical	Short exams and discuss
Tenth	2	Learn types of ceramics, ceramic classifications, and fabrication methods.	Retainer for a removable partial denture: technique	theoretical	Short exams and discuss
Eleventh	2	Prepare metal similar to ceramic for anterior teeth.	Resin bonded bridge: types	theoretical	Short exams and discuss
Twelfth	2	Prepare metal similar to ceramic for posterior teeth	Resin bonded bridge: procedure of fabrication	theoretical	Short exams and discuss
Thirteenth	2	Methods of bonding metal-ceramic restorations.	Implant-supported fixed prosthesis types	theoretical	Short exams and discuss
Fourteenth	2	Identify bridges and their types.	Implant-supported fixed prosthesis: procedure	theoretical	Short exams and discuss
Fifteenth	2	Identify materials and methods used in bridge fabrication.	Clinical Failure in bridge	theoretical	Short exams and discuss

11. Course Evaluation	
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc	
Daily exams: 10% Semester exams: 70% Preparing reports: 10% Discussions in practical: 10%	
12. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Principle and technique of Crowns and Bridge bc
Main references (sources)	Contemporary fixed prosthodontics
Recommended books and references (scientific journals, reports...)	Microbiology of the Crowns and Bridge " edited by S. F. U. Bostanci, J. F. Will, and J. M. P. Lopez
Electronic References, Websites	Google, Google Scholar, PubMed

Academic description of Maxillofacial prosthesis (Basic)

1. Course Name: Maxillofacial prosthesis (Basic)	
2. Course Code:	
3. Semester / Year: second semester/Third year	
4. Description Preparation Date: 27/1/2025	
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory	
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 75 practical hours/ 4	
7. Course administrator's name (mention all, if more than one name)	
Name: Asst. Lec. Zahraa Saadi Noori Email: drzahrra@gmail.com	
8. Course Objectives	
Course Objectives	- Introducing the student to the contents and supplies of the maxillofacial prosthetics laboratory, in addition to the materials used + making some Prosthetic devices for the jaws - Preparing the student for the next stage, during which the student will be equipped with theoretical and practical information in order to master work in Prosthetics laboratories for the face and jaws, specifically prosthetics for chin, lip, uvula, and roof
9. Teaching and Learning Strategies	
Strategy	1. Introducing the student to the contents and supplies of the maxillofacial prosthetic laboratory 2- Introducing the student to the characteristics of the necessary materials, the materials used in the manufacture of prosthetic devices for the jaws 3- Introducing the student to laboratory tools and the steps for making the prosthetic devices 4- Introducing the student to the techniques of manufacturing prosthetic devices for the jaws

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Learn how to make maxillofacial prosthetics	Maxillofacial prosthesis work	theoretical	Short exams and discuss
Second	2	Identify the parts of the skin and the wrinkles formed in it and the types	Facial skin, wrinkles and structures landmarks	theoretical	Short exams and discuss
Third	2	Studying the treatment of deficiency or deformity in the face and jaws	Prosthetic treatment of maxillofacial defects	theoretical	Short exams and discuss
Forth	2	Study of materials used in maxillofacial prosthetics	Materials used for maxillofacial restoration construction	theoretical	Short exams and discuss
Fifth	2	Learn the anatomical parts, impression, and how to make a mold to treat cleft lip and uvula	Cleft lip and palate (anatomy, impression and cast construction)	theoretical	Short exams and discuss
Sixth	2	Learn how to make a prosthetic part to treat cleft lip and uvula	Cleft lip and palate (feeding plate construction)	theoretical	Short exams and discuss
Seventh	2	Knowing the anatomical parts of uvula	Maxillary cleft (anatomy of the palate)	theoretical	Short exams and discuss
Eighth	2	Study of anatomy, impressions, and methods for making molds close the cleft in the upper jaw	Obturator (Anatomy, Impression and construction)	theoretical	Short exams and discuss
Ninth	2	Study of methods of making prostheses to close the cleft in upper jaw	Obturator construction	theoretical	Short exams and discuss
Tenth	2	Learn the steps to replace a missing eye	Ocular prosthesis	theoretical	Short exams and discuss
Eleventh	2	Learn the steps to replace a missing eye	Orbital prosthesis	theoretical	Short exams and discuss
Twelfth	2	Learn the steps to replace a missing ear	Auricular prosthesis	theoretical	Short exams and discuss
Thirteenth	2	Learn the steps to replace a missing nose	Nasal prosthesis	theoretical	Short exams and discuss
Fourteenth	2	Learn the steps to replace a missing nose and ear	Nasal and meatal opening devices	theoretical	Short exams and discuss

Fifteenth	2	An interesting study on fixation of maxillofacial prosthetics	Retention for maxillofacial prosthesis	theoretical	Short exams and discuss
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc					
Daily exams: 10%					
Semester exams: 70%					
Preparing reports: 10%					
Discussions in practical: 10%					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)					
Main references (sources)			Textbook of maxillofacial prosthesis		
Recommended books and references (scientific journals, reports...)			Dental journals		
Electronic References, Websites			Google		

Academic description of orthodontic

1. Course Name: orthodontic					
2. Course Code:					
3. Semester / Year: second semester/third year					
4. Description Preparation Date: 24/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 30 practical hours / 3					
7. Course administrator's name (mention all, if more than one name)					
Name: Dr. Majid Alwan Email: ---					
8. Course Objectives					
Course Objectives		- Learn the basics of orthodontic - Knowledge of normal occlusion and malocclusion - Identify all the orthodontic appliance			
9. Teaching and Learning Strategies					
Strategy	It aims to enable students to know malocclusion and it's causes and orthodontic appliance used for treatment				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	Six key normal occlusion		Theoretical	Short exams
Second	2	Adam's clasp		=	and discuss
Third	2	Hawley lab arch		theoretical	Short exams
					and discuss
Forth	2	Buccal canine retractor		theoretical	Short exams
					and discuss

Fifth	2	Finger spring		theoretical	Short exams and discuss
Sixth	2	Z spring		theoretical	Short exams and discuss
Seventh	2	Myofunctional appliance		theoretical	Short exams and discuss
Eighth	2	Anchorage		theoretical	Short exams and discuss
Ninth	2	Malocclusion		theoretical	Short exams and discuss
Tenth	2	Orthodontic wire properties		theoretical	Short exams and discuss
Eleventh	2	Soldering and welding		theoretical	Short exams and discuss
Twelfth	2	Open bite, deep bite and space maintainer		theoretical	Short exams and discuss
Thirteenth	2	Cross bite in orthodontic		Theoretical	Short exams and discuss
Fourteen	2	Bad habits and habits breaking		=	=
Fifteen	2	Bite plane and retainer		=	=

11. Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Text book of orthodontic
Main references (sources)	Manual of orthodontic appliance
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Internet sites & lecture of technical college

Academic description of Oral bacteria

1. Course Name: Oral bacteria	
2. Course Code:	
3. Semester / Year: second semester/third year	
4. Description Preparation Date: 23/1/2025	
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory	
6. Number of Credit Hours (Total) / Number of Units (Total): 30 theoretical hours + 30 practical hours/ 2	
7. Course administrator's name (mention all, if more than one name)	
Name: dr. Hakeem Ghani Hassan Email: alhamamy201567@gmail.com	
8. Course Objectives	
Course Objectives	● To familiarize the student with the nature and parts of bacteria that cause oral and dental diseases and how to make and examine slides. ● It also enables the student to identify the nature and parts of bacteria that cause oral and dental diseases and diagnose them laboratory using microscope.
9. Teaching and Learning Strategies	
Strategy	1. Active Learning Approaches – Case-Based Learning (CBL) 2. Laboratory and Practical Training – Microbial Culture Techniques 3. Interactive Lectures and Multimedia – Interactive Content 4. Collaborative and Group Learning – Peer Teaching and Discussion 5. Flipped Classroom Approach – Pre-Class Learning

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Oral bacteriology	theoretical	Short exams and discuss
Second	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	The cellular structure of bacteria	theoretical	Short exams and discuss
Third	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Dent Bacterial classification	theoretical	Short exams and discuss
Forth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Bacterial growth phases and curve	theoretical	Short exams and discuss
Fifth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Grams stain steps and procedures	theoretical	Short exams and discuss
Sixth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Basic requirements of Bacteria	theoretical	Short exams and discuss
Seventh	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Oral microbiology and oral environments	theoretical	Short exams and discuss
Eighth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Dental plaque, definition, clinical feature, developments	theoretical	Short exams and discuss
Ninth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Oral streptococci types, morphology characteristics, selective media	theoretical	Short exams and discuss
Tenth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills	Oral streptococci types, morphology,	theoretical	Short exams and discuss

		Microbiological Techniques	characteristics, selective media		
Eleventh	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Mutans streptococci, types, morphology, characteristics, selective media	theoretical	Short exams and discuss
Twelfth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	The role of Bacteria in dental caries (cariogenic bacteria)	theoretical	Short exams and discuss
Thirteenth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	The role of streptococcus in the development of dental caries	theoretical	Short exams and discuss
Fourteenth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	The role of bacteria in periodontal disease	theoretical	Short exams and discuss
Fifteenth	2	1. Knowledge and Understanding – Identification of Oral Bacteria 2. Practical Skills Microbiological Techniques	Gingivitis	theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10%

Semester exams: 70%

Preparing reports: 10%

Discussions in practical: 10%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Oral Microbiology and Immunology by Richard Lamont, Bruce P. K. S.
Main references (sources)	Oral Microbiology: A Comprehensive Review" Gary P. P. Scully
Recommended books and references (scientific journals, reports...)	Microbiology of the Oral Cavity" edited by A. S. U. Bostanci, J. F. Will, and J. M. P. Lopez
Electronic References, Websites	Dental Microbiology" by L. A. Robinson

Academic description of Research Methods

1. Course Name:					
Research Methods					
2. Course Code:					
3. Semester / Year: second semester/third year					
4. Description Preparation Date: 23/1/2025					
5. Available Attendance Forms: Theoretical and practical in the classroom and laboratory					
6. Number of Credit Hours (Total) / Number of Units (Total): 15 theoretical hours / 2					
7. Course administrator's name (mention all, if more than one name)					
Name: M.M. Abdullah Neama Abdul Jalil					
Email: Abdullah N 96@gmail.com					
8. Course Objectives					
Course Objectives	To teach students the fundamentals of scientific research.				
9. Teaching and Learning Strategies					
Strategy	- Teaching students about research concepts. - Teaching students how to write research.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
First	2		Principles of research	theoretical	Short exams and discuss
Second	2		Scientific methods	theoretical	Short exams and discuss
Third	2		Designing the research plan	theoretical	Short exams and discuss
Forth	2		The research process	theoretical	Short exams and discuss

Fifth	2		Classification of research	theoretical	Short exams and discuss
Sixth	2		Fundamental research	theoretical	Short exams and discuss
Seventh	2		Applied research	theoretical	Short exams and discuss
Eighth	2		Clinical trials	theoretical	Short exams and discuss
Ninth	2		Research problem formation	theoretical	Short exams and discuss
Tenth	2		Pilot study	theoretical	Short exams and discuss
Eleventh	2		Research elements (Introduction)	theoretical	Short exams and discuss
Twelfth	2		Research elements (Literature review)	theoretical	Short exams and discuss
Thirteenth	2		Implant-supported fixed prostheses types	theoretical	Short exams and discuss
Fourteenth	2		Research elements (materials and methods)	theoretical	Short exams and discuss
Fifteenth	2		Research elements (Results, discussion, and conclusion)	theoretical	Short exams and discuss

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Daily exams: 10%

Semester exams: 70%

Preparing reports: 10%

Discussions in practical: 10%

12. Learning and Teaching Resources

Required textbooks (curricular books any)	Research Methods Handbook
Main references (sources)	The scientific research methods types
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Google, Google Scholar, PubMed

Course Description Form

1. Course: Computer Applications	
2. Course Code:	
3. Semester / Year second Semester / 2024-2025 / Thrid Stage	
4. Date of preparation of this description 24/1/2025	
5. Available attendance forms Physical presence within the university	
6. Number of Credit Hours (Total) / Number of Units (Total)	
4 Hours 1 (Theoretical) 2 (Practical)	
7. Course administrator's name (if more than one name)	
Name: Eng. Mustafa Abdel Ghani Nasser mustafmustaf952@gmail.com Email	
8. Course Objectives	
Other skills related to employability and personal development. Encourage the student to write simple research towards previous lectures to create a state of balance between methodological information and source information Urging the student to make practical projects on the computer and holding seminars among students about the methodology of the subject Encourage the student to evaluate the answer of fellow students from other students to develop Self-development	Course Objectives: The teaching of the course aims to provide students with knowledge about Basic computer in general
9. Teaching and Learning Strategies	
Strategy	

10. Course Structure					
Evaluation method	Learning method	Unit or subject name	Required Learning Outcomes	Hours	Week

Evaluation method	Method of education	Unit / Subject Name	Required Learning Outcomes	Hours	The week
& Testing Application	Interactive	Working with charts	Dealing with charts, lines, columns, circular representation of ratios, spread chart and others	3	.1
& Testing Application	Interactive	Application of statistical packages	Dealing with statistical applications such as cross tables	3	.2
& Testing Application	Interactive	Application of statistical packages	One-way variance analysis model Basic statistical tables	3	.3
& Testing Application	Interactive	program Power Point	Power Point program concept - benefits run components of the home screen concept of presentations	3	.4
& Testing Application	Interactive	Learn about the program	Build a new presentation with ready-made templates	3	.5
& Testing Application	Interactive	Dealing with the programC	How to add drawings through drawing tools,	3	.6
& Testing Application	Interactive	Apply effects	Control the colors and floor of the chip	3	.7
& Testing Application	Interactive	Apply effects	Add ready-made art clips or media and zoom in and out images	3	.8

& Testing Application	Interac tive	Apply effects	Minimize Add charts or tables from Excel.	3	.9
& Testing Application	Interac tive	Dealing with the programC	, insert a new slide Text or graphics Putting notes Entering titles Editing text Control its format	3	.10
& Testing Application	Interac tive	Dealing with the programC	Save the file, make the display modification, save the changes, plan the build of the view.	3	.11
& Testing Application	Interac tive	Working with files and data	Sort and switch data	3	.12
& Testing Application	Interac tive	Working with files and data	Cell retouching process Copy, move, copy absolute and relative cell calculations	3	.13
& Testing Application	Interac tive	Format pages	Control page width Change its style with formatting tools	3	.14
Testing & Application	Interac tive	Format tables	Dealing with charts charts and their various components and elements and identifying their types	3	.15

Computer Fundamentals and Office Applications - ٢		1 Required textbooks
And the Ministry of Higher Education and Scientific Research - Research and Development Department		
Basics of Computer and Internet"Yusr Al-Mustafa Series for S		2 Main references (sources)
Dr. Ziad Muhammad Abboud, Dar Al-Dr. for ,٢ 0202 Office		
Publishing and Distribution, Baghdad		
0202		

Using two researches from my research 1. Encryption a text using affine cipher and hiding it in the colored image by using the Quantization stage, <u>Nada Abdul Aziz Mustafa, Iraq, Baghdad, University of Baghdad, College of Languages</u> 2. The Effect of the Smoothing Filter on an Image Encrypted By the Blowfish Algorithm Then Hiding It in A BMP Image <u>Nada Abdul Aziz Mustafa, Iraq, Baghdad, University of Baghdad, College of Languages</u> 3.Computer literacy BASICS 2012, LeBlanc, Brandon." A closer look at the, windows 7. 2009 4.Computing Fundamentals, Innovative training works USA, Inc, 2006	Recommended books and references ,) reports , Scientific fields(
. Word 2010 Digital Classroom Book https://www.agitraining.com/books/microsoft-office-books/word-2010-digital-classroom-book	WebsitesReferences, Web