

English language

This course description provides a summary of the most important course characteristics and the learning outcomes the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the program description.

1- Educational institution	Al-Ayen Iraqi University / College of Medical and Health Technologies
2- Scientific department/center	Department of Dental Industry
3- Course name/code	English language/1 st stage
4-Name of the lecturer(s).	Nabeel Ibraheem
5-Available forms of attendance	Theoretical
6-Semester/year	The first semester 2024-2023
7-Number of study hours (total)	30 hours
8-The date this description was prepared	2023-3-31
9- Course objectives	
A systematic scientific study concerning the vocabularies and their usage in a real life moreover the functional system.	

10. Course outcomes and teaching, learning and evaluation methods
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A- Cognitive objectives A1- Introducing the student to oral test A2- Introducing the student to correct mistake pronunciations A3- Introducing the student to the grammatical mistakes A4- Diagnostic methods using traditional and modern approaches
B - The skills objectives of the course. B1 - Teaching the student the ability to speak influent B2 - Teaching the student to distinguish between nouns and verbs B3 - Teaching the student about listineng
Teaching and learning methods
Using PowerPoint (practical and theoretical) Using tissue slides
Evaluation methods
1-Daily exams (Quizez) 2-Monthly exams 3-Reports preparation 4-Discussions in practice
C- Emotional and value goals C1- C1- Self-confidence C2- Paying attention to external appearance C3- Adherence to working hours C4- Follow up on scientific and cognitive development
D - Transferable general and qualifying skills (other skills related to employability and personal development). D1 - Teaching the student the ability to check the writing D2 - Teaching the student to distinguish between letter and sounds D3 - Teaching the student about diagnostic methods

11. Course structure					
Evaluation method	Teaching method	Name of the unit/topic		hours	Week
Quizzes	theoretical	Introduction to oral		2	the first
Quizzes	theoretical	Slide preparation		2	the second
Quizzes	theoretical	Writing		2	the third

Quizzes	theoretical	Presentation		2	the fourth
Quizzes	theoretical	Days of week		2	Fifth
Quizzes	theoretical	Subject and object pronouns		2	Sixth
Quizzes	theoretical	Stories		2	Seventh
Quizzes	theoretical	Activity book		2	Eighth
Quizzes	theoretical	Reading		2	Ninth
Quizzes	theoretical	Healthy and unhealthy foods		2	Tenth
Quizzes	theoretical	Speaking		2	Eleventh
Quizzes	theoretical	Handwriting		2	Twelveth
Quizzes	theoretical	Interactions		2	Thirteenth
Quizzes	theoretical	Sports		2	Fourteenth
	theoretical	Examination		2	Fifteenth

12. Infrastructure	
Required prescribed books	Listening and speakin
Main references	
A- Recommended books and references (scientific journals, reports,)	Journals
B - Electronic references, Internet sites...	

13. Course development plan
Adding scientific discussions and cultural events and including them in future plans to increase knowledge and develop students' scientific skills

Dental Materials (level I)

Course description

This course description provides a summary of the most important course characteristics and the learning outcomes the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the program description.

1- Educational institution	Al-Ayen Iraqi University / College of Medical and Health Technologies
2- Scientific department/center	Department of Prosthodontics
3- Course name/code	Dental Materials (level I)
4-Name of the lecturer(s).	Assistant.Prof. Ahmed Abdou
5-Available forms of attendance	Theoretical and practical
6-Semester/year	The first semester /1st stage
7-Number of study hours (total)	120 hours
8-The date this description was prepared	2024-3-31
9- Course objectives	
1. Teach students basic and advanced dental materials. 2. Teach the student the proper manipulation of dental materials 3. Teach students the chemical and physical properties of dental materials.	

10.Course outcomes and teaching, learning and evaluation methods

A- Cognitive objectives A1- Teach the basic and applied dental materials. A2- Recognize the characteristics of dental materials related to laboratory work.				
B - The skills objectives of the course. B1 – Proper handling the dental materials B2 – Proper technique for dental casting B3 – Proper handling of the recent dental materials				
Teaching and learning methods				
Using PowerPoint (practical and theoretical) Lab work Electronic Video Search				
Evaluation methods				
1-Daily exams (Quizez) 2-Monthly exams 3-Reports preparation 4-Discussions in practice				
C- Emotional and value goals C1- Self-confidence C2- develop research skills C3- develop clinical and laboratory skills related to dental field C4- Follow up on scientific and cognitive development				
D - Transferable general and qualifying skills (other skills related to employability and personal development). D1 – Handling and tactile feeling of dental materials				

11. Course structure					
Evaluation method	Teaching method	Name of the unit/topic		hours	Week
Quizes	theoretical	Basic of dental materials		2	the first

Quizes	theoretical	Requirements and evaluation of dental materials		2	the second
Quizes	theoretical	Structure of solid materials and interatomic bond		2	the third
Quizes	theoretical	Mechanical properties of dental materials (I)		2	the fourth
Quizes	theoretical	Mechanical properties of dental materials (II)		2	Fifth
Quizes	theoretical	Mechanical properties of dental materials (Rheological)		2	Sixth
Quizes	theoretical	physical properties of dental materials (Adhesion and Cohesion)		2	Seventh
Quizes	theoretical	physical properties of dental materials (Thermal properties)		2	Eighth
Quizes	theoretical	physical properties of dental materials (electrical properties)		2	Ninth
Quizes	theoretical	physical properties of dental materials (surface properties)		2	Tenth
Quizes	theoretical	physical properties of dental materials (optical properties)		2	Eleventh
Quizes	theoretical	physical properties of dental materials (Mass related properties)		2	Twelveth
Quizes	theoretical	physical properties of dental materials (Biocompatibility)		2	Thirteenth
Quizes	theoretical	Polymers		2	Fourteenth
	theoretical	Chemical properties of dental materials (Tarnish and corrosion)		2	Fifteenth

12.Infrastructure

Required prescribed books

Main references

A- Recommended books and references (scientific journals, reports,)

Introduction to Dental Materials

B - Electronic references, Internet sites... Journal of dental research, journal of Dentistry, Dental Materials

13.Course development plan

Adding scientific discussions and cultural events and including them in future plans to increase knowledge and develop students' scientific skills

Computer Applications 1

General Objective:

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve.

Prove whether he has made the most of the available learning opportunities. It must be linked to the description of Program.

Special Objective:

1 Identify the operating system, its importance, and the tasks performed by computer components and accessories Application programs

And connect to the Internet and get to know the outside world.

Educational institution Al Ain University	Alayen Iraqi University
Scientific Department / Center	Dental industry
Course Name/Code	Computer Applications 1
4.Available Attendance Forms	%100
5 . Semester / Year	First semester / 1 st stage
6. Number of Credit Hours (Total)	45

7. The history of preparation of this description	2024/3/31
8. Course Objectives	
Identify the operating system, its importance, and the tasks performed by computer components and accessories Application programs and connect to the Internet and get to know the outside world.	

Course Outcomes and Methods of Teaching, Learning and Assessment
A- Cognitive objectives A 1 - The student should familiarize himself with modern operating systems, which are Windows 7,8,10 A2 The student should recognize the importance of operating systems and their work - A3 The application should know how to deal with Microsoft office applications - 2013,2010A 4 The application should know how to connect the calculator to the Internet C. A5 The student should know how to deal with e-mail . A6 The student should know how to search and shop online
B - Skills objectives of the course. B1 The application should deal with the computer and recognize its internal and external parts B2 The student should perform some tasks such as sending an e-mail B3 The student should deal with office applications and create some reports to increase his skill B4 The student should access the Internet and learn how to search and shop. Electronic
Teaching and learning methods
Interactive Electronic Video
Evaluation methods
Conducting exams, periodic questions, oral exam, observation, homework, laboratory reports.
c- Emotional and value goals Experimental thinking • Exploratory thinking

• Critical thinking • Inductive thinking	
Teaching and learning methods	
The method of lecture, discussion, student research in an interactive, electronic and video way.	
Evaluation methods	
Discussion, observation, group tasks.	
Course Outcomes and Methods of Teaching, Learning and Assessment	
A- Cognitive objectives A 1 - The student should familiarize himself with modern operating systems, which are A2 The student should recognize the importance of operating systems and their work A3 The application should know how to deal with Microsoft office applications - 2013 to connect the calculator to the Internet C. A5 The student should know how to deal with e-mail . A6 The student should know how to search and shop online	
B - Skills objectives of the course. B1 The application should deal with the computer and recognize its internal and external B2 The student should perform some tasks such as sending an e-mail B3 The student should deal with office applications and create some reports to increase B4 The student should access the Internet and learn how to search and shop. Electronic	
Teaching and learning methods	
Interactive Electronic Video	
Evaluation methods	
Conducting exams, periodic questions, oral exam, observation, homework, laboratory	
C. Emotional and value goals Experimental thinking • Exploratory thinking • Critical thinking • Inductive thinking	
Teaching and learning methods	
The method of lecture, discussion, student research in an interactive, electronic and v	

Evaluation methods	
Discussion, observation, group tasks.	
d . General and qualifying skills transferred (other skills related to them). D1 The student should behave appropriately from the work appetizers - D2 The student must pass the professional tests - D 3 The student should develop himself after graduation C - D4 The student should use the available means to increase the efficiency of e	

Department or Branch	Anesthesia	Material Name	Computer Applications	Academic year	
Theoretical vocabulary					
<u>Week</u>		<u>Vocabulary details</u>			
First		SPSS statistical program concept - operation - data analysis steps .			
Second		Identify the components of the main screen, enter data, save and retrieve data, types of data (direct or calculated).			
Third		Sorting and changing data, determining the statistical procedure through the statistical topics addressed by the student in the statistics lessons. How to insert a variable or case, merge files, analysis, descriptive statistics(			
Fourth		Identify the statistical summary of the given data (summary) and take advantage of the data provided in the exploration (Explore) of data or reports for columns or rows (Rows).(			
Fifth		Compare Means, Correlate or Regression . (			
Sixth		-Conducting some non-parametric tests such as (Chi Square)(			
Seventh		-Quality control applications(.			

Eighth	-Dealing with charts such as bar chart, pie chart, histogram, line graph, Scatter diagram, and others .
IX-XV	-Handling orders: Summarize (cross tabs) , custom tables (Basic tables), Anova Models (one - way), non parametric methods (one sample, two sample, independent, two samples related, several samples independent, several sample related).

10.Infrastructure
Jr., D. H. L. F., 2012. Introduction to Microsoft Office 2010. 2nd ed. s.l.:World scientific publishing. Mayne, R., 2015. Introduction To Windows. 2nd ed. s.l.:World scientific publishing Thomas Anderson, M. D., 2014. Operating Systems: Principles and Practice. s.l.:University of Texas

11.Course Development Plan
The curriculum development plan is based on the following: 1. Give the prescribed scientific material and observe and analyze the results of the students. 2. Study feedback from students' notes about vocabulary. 3. Study the practical laboratory notes of the course. 4. Comparing current vocabulary with those of corresponding colleges in the field

Occupational safety

Course description

This course description provides a summary of the most important course characteristics and the learning outcomes the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the program description.

1- Educational institution	Al-Ayen Iraqi University / College of Medical and Health Technologies
2- Scientific department/center	Department of Prosthodontics
3- Course name/code	Occupational safety
4-Name of the lecturer(s).	Dr. Hakeem Ghani Hassan
5-Available forms of attendance	Theoretical
6-Semester/year	1 st semester/1 st stage
7-Number of study hours (total)	30hours
8-The date this description was prepared	2023-10-15
9- Course objectives	
General goal: To familiarize students with occupational and laboratory risks to the health of workers Specific objective: To enable the student to protect himself from occupational hazards in laboratories and workshops.	

Teaching and learning methods
Using PowerPoint (practical and theoretical) Using tissue slides
Evaluation methods
1-Daily exams (Quizez) 2-Monthly exams

11. Course structure					
week	hrs		Name of the unit/topic	Teaching method	Evaluation method
the first	2		Introduction & terms used in occupational safety	theoretical	Quiz
second	2		Work hazards in an industrial environment in general work	theoretical	Quiz
third	2		Noise, and protection from noise. Source of noise in general work	theoretical	Quiz
fourth	2		Prevention from the heat in general work. Chemical hazards in general work	theoretical	Quiz
Fifth	2		The most important route of entry of chemical	theoretical	Quiz
sixth	2		Elimination of chemical substances from the body	theoretical	Quiz
Seventh	2		Occupational cancer. Respiratory disease associated with occupational cancer	theoretical	Quiz
eighth	2		Introduction to Biosafety and Security	theoretical	Quiz
Ninth	2		Biosafety level	theoretical	Quiz
tenth	2		Biorisk and biohazards	theoretical	Quiz
eleventh	2		Biorisk management system	theoretical	Quiz
twelveth	2		Types of biological wastes	theoretical	Quiz
Thirteenth	2		Accident response	theoretical	Quiz
fourteenth	2		Introduction to Biosecurity	theoretical	Quiz
Fifteenth	2		biosafety Practical part	theoretical	

13. Infrastructure

Required prescribed books	Oral and maxillofacial pathology by Neville
Main references	
A- Recommended books and references (scientific journals, reports,)	Dental journals
B - Electronic references, Internet sites...	

14. Course development plan
Adding scientific discussions and cultural events and including them in future plans to increase knowledge and develop students' scientific skills

Denal anatomy (basic)

Course description

This course description provides a summary of the most important course characteristics and the learning outcomes the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the program description.

1- Educational institution	Al-Ayen Iraqi University / College of Medical and Health Technologies
2- Scientific department/center	Department of Prosthodontics
3- Course name/code	Denal anatomy
4-Name of the lecturer(s).	Dr.. majid Alwan
5-Available forms of attendance	Theoretical and practical
6-Semester/year	The first semester/1st stage
7-Number of study hours (total)	22 hours
8-The date this description was prepared	2024-3-31
9- Course objectives	
A systematic scientific study of diseases that affect the mouth and teeth in terms of their causes, clinical symptoms, and methods of diagnosis.	

10. Course outcomes and teaching, learning and evaluation methods
A- Cognitive objectives A1- Introducing the student to dental anatomy. A2- Introducing the student to the dental anatomy) A3- Introducing the student to the numbering system dental anatomy. A4- Diagnostic methods using traditional and modern way to learn the shape and function of the teeth regularly .
B - The skills objectives of the course. B1 - Teaching the student the ability to anatomy of teeth. B2 - Teaching the student to distinguish between teeth. B3 - Teaching the student about diagnostic methods to differentiate teeth.
Teaching and learning methods
Using PowerPoint (practical and theoretical)
Evaluation methods
1-Daily exams (Quizzes) 2-Monthly exams 3-Reports preparation 4-Discussions in practice
C- Emotional and value goals C1- C1- Self-confidence C2- Paying attention to external appearance C3- Adherence to working hours C4- Follow up on scientific and cognitive development
D - Transferable general and qualifying skills (other skills related to employability and personal development). D1 - Teaching the student the ability about dental anatomy. D2 - Teaching the student to distinguish between differentiated teeth. D3 - Teaching the student about carving of teeth.

11.Infrastructure	
Required prescribed books	Dental anatomy and Morphology
Main references	
A- Recommended books and references (scientific journals, reports,)	Dental journals
B - Electronic references, Internet sites...	

Teaching method	Name of the unit/topic	hours	week
theoretical	Introduction in dental anatomy and nomenclature	2	the first
theoretical	Numbering system of teeth	2	the second
theoretical	Surfaces of teeth	2	the third
theoretical	Anatomical land mark of Teeth	2	the fourth
theoretical	Anatomy of max.central incisor.	2	Fifth
theoretical	Anatomy of max.lat.incisor.	2	sixth
theoretical	Anatomy of max.canine.	2	Seventh
theoretical	Anatomy of mand.canine.	2	eighth
theoretical	Anatomy of max.premolars.	2	Ninth
theoretical	Anatomy of max.molars.	2	tenth

13.Course development plan
Adding scientific discussions and cultural events and including them in future plans to increase knowledge and develop students' scientific skills

Dental appliance techniques (basi c)

Course description

This course description provides a summary of the most important course characteristics and the learning outcomes the student is expected to achieve, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the program description.

1- Educational institution	Al-Ayen Iraqi University / College of Medical and Health Technologies
2- Scientific department/center	Department of Prosthodontics
3- Course name/code	Dental appliance techniques
4-Name of the lecturer(s).	Dr.majid alwan
5-Available forms of attendance	Theoretical and practical
6-Semester/year	1st semester/1st stage 0202-0202
7-Number of study hours (total)	22 hours
8-The date this description wasprepared	2024-3-31
9- Course objectives	
A systematic scientific study of Dental appliance techniques	

10. Course outcomes and teaching, learning and evaluation methods
A- Cognitive objectives A1- Introducing the student to Dental appliance techniques. A2- Introducing the student to the Dental appliance techniques A3- methods using traditional and modern in Dental appliance techniques
B - The skills objectives of the course. B1 - Teaching the student the ability to know Dental appliance techniques B2 - Teaching the student to distinguish between different Dental appliance techniques. B3 - Teaching the student about Dental appliance techniques
Teaching and learning methods
Using PowerPoint (practical and theoretical)
Using tissue slides
Evaluation methods
1-Daily exams (Quizez) 2-Monthly exams 3-Reports preparation 4-Discussions in practice
C- Emotional and value goals C1- C1- Self-confidence C2- Paying attention to external appearance C3- Adherence to working hours C4- Follow up on scientific and cognitive development
D - Transferable general and qualifying skills (other skills related to employability and personal development). D1 - Teaching the student the ability in Dental appliance techniques D2 - Teaching the student to Dental appliance techniques

Teaching method	Name of the unit/topic	hours	Week
theoretical	Introduction to Dental appliance techniques	2	the first
theoretical	Type of dental lab.	2	the second
theoretical	Impression trays.	2	the third
theoretical	Articulator.	2	the fourth
theoretical	Flask and press	2	Fifth
theoretical	Polymerization devices.	2	Sixth
theoretical	Engine and handpiece	2	Seventh
theoretical	Plier.	2	Eighth
theoretical	Dental –ach timer.	2	Ninth
theoretical	Hand instruments.	2	Tenth
theoretical	Buner uses in pros.	2	Eleventh
theoretical	Dental surveyor.	2	Twelveth
theoretical	Examination	2	Thirteenth

12. Infrastructure	
Required prescribed books	
Main references	
A- Recommended books and references (scientific journals, reports,)	Dental journals
B - Electronic references, Internet sites...	

13. Course development plan
Adding scientific discussions and cultural events and including them in future plans to increase knowledge and develop students' scientific skills