


Ministry of Higher Education and Scientific Research  
Scaffolding and scale of scientific  
quality Assurance Department and Academic Accreditation

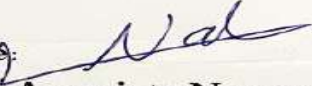


Form of the program of academic auctions for the entire colleges and institutes

### Academic Program Description Form

**University Name:** Al-Furat Al-Awsat Technical University  
**Faculty/Institute:** Kufa Technical Institute  
**Scientific Department:** Department of prosthesis and orthosis  
production techniques  
**Academic or Professional Program Name:** Department of prosthesis  
and orthosis production techniques  
**Final Certificate Name:** Technical Diploma  
**Academic System:** Corsi system  
**Description Preparation Date :** 6/5/2024  
**File Completion Date:** 6/5/2024

**Signature:**   
**Head of Department Name:**  
Assist. Pro.Dr. Sahira Ayyed Al-  
musawi  
**Date:** 6/5/2024

**Signature:**   
**Scientific Associate Name:**  
Assist. Pro.Dr. Nadia Abdul Hadi  
Al Nuaimi  
**Date:** 6/5/2024

**The file is checked by:**  
**Department of Quality Assurance and University Performance**  
**Director of the Quality Assurance and University Performance**  
**Department:**  
Kholoud Muzaffar Abdel Ali  
**Date:** / /2024  
**Signature:**

  
**Approval of the Dean**

The description of the Academic Program is a consecutive vacation for the most important characteristics of the program and output learning outcomes from the student to achieve our probability if it has achieved the most of the opportunities. Its a description of each decision in the program

University of Middle Eastern Technology / Technical Institute Cava	1. Educational institution
Ratio and managing parties	2. Scientific department/Center
Biomedical mechanics2	3. The name of the academic or professional program
Diploma Technical In a Ratio and managing parties	4. The name of the final certificate
Quartet (Koris Khardi + Course Rubiei)	5. :System of study Annual/Decisions/Other
	6. Certified Accreditation Program
Summer Training, Visits Field Scientific With other .universities Minors and circuits The private sector	7. Other external influences
2024	8. Date Description
9. Objectives of the academic program	
Rehabilitation of students and their preparation for work in scientific research and increasing their ambitions and encourage them To complete the Studies Primary and The highest in the field of Ratio and managing parties Being the areas that have seen a marked scientific development.	
Encourage scientific research and the student's basic skills that qualify them to work In the public and private sector The program aims to graduate a qualified and oral student-based technical cycle in the manufacture of synthetic and financial codes in various types and levels	
Encourage the teaching court to participate in local and international scientific forums	
Contribution to the service of the community and the solutions of scientific problems	

<b>10.Outputs of the required program and teaching methods, learning and evaluation</b>
<p><b>1- Cognitive goals</b></p> <p>A1. The student is able to recognize the principles of the pyomeganic  A2- Identify the deviations of walking  A3. Identify the types of wiring</p>
<p><b>B-Skills of the program's skills</b></p> <p>B 1 - Analysis of walking steps</p> <p>B 2 - How to correct the deviations of walking</p> <p>Study and analysis of forces and pressure affecting the industrialized part of its - 3 levels</p>
<b>Education and learning modalities</b>
The theoretical lectures Practical-1. Summer Training-2
<b>Evaluation methods</b>
1- Daily and monthly editorial exams 2- Oral examinations 3- Preparation of scientific reports
<p><b>.A.-Four governance and residents</b></p> <p>A.1-Theoretical and practical lectures  A.2-Seminars and scientific courses  A.3-Duties Weekly  A.4-Graduation Research Projects</p>
<b>:Education and learning modalities</b>
Lecture and the practical scientific lectures and presentations In addition To the videos and illustrations
<b>Evaluation methods</b>

Examined editorial examinations  
 Reports  
 Discussions

Dr.-Public skills and transfers(Other skills related to employment and personal  
 .(development

Dr.1- Pre-testingThe patient

Dr.2-Diagnosis of problems and diseasesAnd finding the appropriate solutions  
 .quickly

Dr.3-How to deal with differentCases

Dr.4-Translating and prepare special literature for the vocabulary of the course

Dr.5Discussion of specialized studies and research of approach of the approach

-Dr.6-McCearnThe privat

### Education and learning modalities

.The theoretical lectures- 1

.Summer Training-2

Processors lesson inWorkshops -3

Scientific visits -4

### Evaluation methods

1- Theoretical tests

2- Process tests

3- Daily and monthly editorial exams

4- Oral examinations

5- Preparation of scientific reports

### 11.Program structure

Certified watches		Deposit Name or Course	Circular or Code Code	Grade
My career	Theoretical			
1Hours	2Hours	Biomechanics		The second

## 12.Planning for personal development

Urge the program on the personal development of students from etcFor -1 supervisorsContinuous educational and scientific reports  
The program also ,لافتراضية, FlyersIllustrationsAnd theQuestionsIntellectual and a emphasizes the development of the members of the Commission  
Tech from etcLalPublication and participation in training courses, seminars and .scientific conferences  
Increase practical applications by visitingRemote areas to see species and -2 .diseases

## 13.Standard acceptance(Develop regulations on enrollment in the college or (institute

Acceptance and then hold a personal interview with students

## 14.The most important sources of information about the program

Scientific books and dynamic research in the magazine magazines  
Library of the Section- -College Library- -University Library- -Buy from book exhibitions

**Strong skills scheme**

Please place a sign in the boxes corresponding to individual learning outputs from the evaluation program

Learning outputs required from the program

General skills والتأهيلية Transmitted (Other skills related to employment and personal development)				Four governance and residents				Objectives Skills YehPrivateA program				Objectives The identifier The And				A basic Or mother optional	The course name	Circular icon	Year / Level
Dr. 4	Dr. 3.	Dr. 2.	Dr. 1.	A4	A3	A2	A1	By 4	By 3	By 2	By 1	A 4	A 3	A 2	A 1				
							√				√				√	A basic		Manufacture of alternatives of stones	The first
				√				√						√		A basic		Biomedical mechanics	
√			√					√							√	A basic		Motor diseases	
												√				A basic		Anatation of the lower part	
												√				My choice		الفسلجة	
√																A basic		Human rights and democracy	
															√	√	A basic	Terminology / Quarters	

																A basic		Computer Applications	
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## Model Description

### Described the course

This description provides an agreement to make the most procurement procedures and outputs from the student to achieve the probability of achieving our ability to have the most utilization of available learning opportunities. It must be ;.binded and described the program

University of Muffy Middle Technical / Technical Institute of Medical Coffee	1. Educational institution
TechniquesRatio and managing parties	2. Scientific department/Center
Biomechanices	3. Noun/Circular icon
Attendance in the schoolsAndWorkshopsScientific in the section	4. Forms for attendants available
Dr. Raidi and Rabi	5. The classroom/The year
90Hour(60Theory is theory+30My work is (practical	Number of hours of school(The total
28/ 2/2024	6. Date setting up this description
7. The objectives of the decision	
Which البايومكانيكThe student is at the end of the stageHas been the sameBScience includeDeviations and dishesThe ability to makeThe examsTo see the type of diseaseThe student also recognizes at the end of the stageLarge study on .partsAnd componentsThe upper and lower parties	

### 10. Outputs and the methods of education, learning and evaluation

## A - Cognitive objectives

A1. The student is able to recognize the principles of the pyomeganic

A2- Identify the deviations of walking

A3. Identify the types of wiring

## Education and learning modalities

The goal of how to get scientific sources of the library as well as from the - 1  
Internet and how to distinguish between

.Sources of the color of the non-race

Use illustrations during the lecture as presentation .2pointpowerUsing the th  
projectorProvide students with the educational toys with the most important  
.understanding of themes

Chapter of questions for students between time and time to be considered to - 3  
.be less involved in the lesson and open the discussion

Application of my homework is the homepage of the current topic as well as .4  
the request of them to search the topic of the next lecture

.For the purpose of developing scientific research skills they have

## Evaluation methods

Accepting weekly and monthly examinations - 1

Give the duties and the reporting of the reports - 2

encourage daily presentation and customize for degrees - 3

## A.-Four governance and residents

C 1 - Employee who can literally link the surrounding information surrounding  
.it

.C2 Giving an opportunity for the student for the tunnel

A3. The student is the information to inform you thinks and developedHis  
.thoughts

C 4 - encourage the student to meet its information in the sammaners, seminars  
and scientific facilitiesThePromotes confidence

.The student is self-citizenship to participate in conferences and scientific events
Education and learning modalities
Try and leave the field in the lectureTo developSolutions for what is asked to -1 ask and find a schedule to discuss the student, follow the accessAs a basis forTender lecture Organizing workshops and interactive lectures-2 .Application of mBasic science informationIn a -3
Evaluation methods
The student is evaluated distributed the degree between daily and monthly -1 .examinations and participation in lecturesIn additionTo the final exam TheProcessing tests to organize the benefit of the student from the basic -2 science of practical applications
Dr.-Public skills and transfers(Other skills related to employment and personal (development Dr.1- Precision testsThe patientPublic .Dr.2-Diagnose problems, diseases and find appropriate solutions quickly Dr.3-How to deal with differentDeviations, types of walking and people who are humans Dr.4-Translating and prepare special literature for the vocabulary of the course Dr.5Discussion of specialized studies and research of approach of the approach Different diseases ¢Dr.6Discussion

11.The structure of the course						
The week	Hours	Learning outputs required	Name of the unit or the subject		Method of education	Method of evaluation
1	N (2) P (1) Colle 3))	Identify biomedical synchronization of calendar support	.	Biometrics for calendar support	<b>1-The lecture method</b> <b>2-Discussion</b> <b>3-Display and skills</b>	<b>1-Evaluation of the lecture by directing direct questions</b> <b>2-Theory theory</b>
			<b>P</b>	<b>The practical application of the subject</b>		
2	N (2) P (1)	Identify the collapse of the balance of law	<b>N</b>	Deficit for the balance law	<b>4-Use the audio and</b>	
			<b>P</b>	<b>The practical</b>		

	Colle 3))			<b>application of the subject</b>	<b>visual educational means</b>	<b>3-Re-initial steps by student</b> <b>4-Feedback</b> <b>5-Quarterly examinations</b>
3	N (2) P (1)  Colle 3))	Know the chart of the body	.N	The chart of the body		
			P	<b>The practical application of the subject</b>		
4	N (2) P (1)  Colle 3))	Identify the wording of the grant	.N	Difficult to the exterior		
			P	<b>The practical application of the subject</b>		
5	N (2) P (1)  Colle 3))	Learn how to design the supporters	.N	Design of the support		
			P	<b>The practical application of the subject</b>		
6	N (2) P (1)  Colle 3))	Identify the support of the support	.N	The support of the supporters		
			P	<b>The practical application of the subject</b>		
7	N (2) P (1)  Colle 3))	Learn how to join the joints on the walking	.N	The effect of joints on walking		
			P	<b>The practical application of the subject</b>		
8	N (2) P (1)  Colle 3))	Identify the Motivation Mechanics and acceleration	.N	Motion and acceleration		
			P	<b>The practical application of the subject</b>		
9	N (2) P (1)	Identify the impact of transnational in	.N	Crocrosry in ankle tulz		
			P	<b>The practical</b>		

	Colle 3))	the ankle touches		<b>application of the subject</b>		
10	N (2) P (1) Colle 3))	Identify the hardness of hardness equipment	.N	Hotness hardness equipment	1-The lecture method 2-Discussion 3-Display and skills 4-Use the audio and visual educational means	1-Evaluation of the lecture by directing direct questions 2-The examThe theoretical 3-Re-initial steps by student 4-Feedback 5-Quarterly examinations
			P	<b>The practical application of the subject</b>		
11	N (2) P (1) Colle 3))	Find out both mechanical and function of the type of typeAfo	.N	Mechanical and function of the type of typeAfo		
			P	<b>The practical application of the subject</b>		
12	N (2) P (1) Colle 3))	Learn how to test the engineAfo	.N	Testing the engineAfo		
			P	<b>The practical application of the subject</b>		
13	N (2) P (1) Colle 3))	Identify mechanics and foot cooler	.N	Mechanical foot and heaven		
			P	<b>The practical application of the subject</b>		
14	N (2) P (1) Colle 3))	Learn how to test the function of the engineAfo	.N	Testing and assistant of the engineAfo		
			P	<b>The practical application of the subject</b>		
15	N (2) P (1) Colle 3))	Identify the mechanical walking in the foot and ankle	.N	Mechanical walking in the foot and ankle		
			P	<b>The practical application of the subject</b>		
16	N (2) P (1)	Learn how to prefer the foot of	.N	Frafts of foot		
			P	<b>The practical application of</b>		

	Colle 3))			the subject		
17	-	<b>Exam</b>		<b>Exam</b>	-	-
18	N (2) P (1) Colle 3))	Learn how to use parallel axes inAfo	.N	Use parallel axes inAfo	<b>1-The lecture method</b> <b>2-Discussion</b> <b>3-Display and skills</b> <b>4-Use the audio and visual educational means</b>	<b>1-Evaluation of the lecture by directing direct questions</b> <b>2-Theory theory</b> <b>3-Re-initial steps by student</b> <b>4-Feedback</b> <b>5-Quarterly examinations</b>
			P	<b>The practical application of the subject</b>		
19	N (2) P (1) Colle 3))	Identify the mechanical machineko	.N	Mechanical Machine Typeko		
			P	<b>The practical application of the subject</b>		
20	N (2) P (1) Colle 3))	Identify the mechanical machinekafo	.N	Mechanical Machine Typekafo		
			P	<b>The practical application of the subject</b>		
21	N (2) P (1) Colle 3))	Identify the types of knee joints	.N	Types of knee joints		
			P	<b>The practical application of the subject</b>		
22	N (2) P (1) Colle 3))	Identify the hip-officative mechanical and knee types	.N	Mechanical detailed hip and knee joints		
			P	<b>The practical application of the subject</b>		
23	N (2) P (1) Colle 3))	Meet mechanicalThe trunk	.N	Mechanical trunk		
			P	<b>The practical application of the subject</b>		
24	N (2) P (1)	Find out what types of trunk distortions	.N	Species of tunles		
			P	<b>The practical application of</b>		

	Colle 3))			the subject		
25	N (2) P (1) Colle 3))	Identify the effect of incorrect alignment in the knee	.N	The incorrect alignment in the knee	<b>1-The lecture method</b> <b>2-Discussion</b> <b>3-Display and skills</b> <b>4-Use the audio and visual educational means</b>	<b>1-Evaluation of the lecture by directing direct questions</b> <b>2-Theory theory</b> <b>3-Re-initial steps by student</b> <b>4-Feedback</b> <b>5-Quarterly examinations</b>
			P	The practical application of the subject		
26	N (2) P (1) Colle 3))	How to check the thKafo	.N	Check the thKafo		
			P	The practical application of the subject		
27	N (2) P (1) Colle 3))	Identify Mahi Mechanical Supports Party	.N	Mechanical Supports Party Salars		
			P	The practical application of the subject		
28	N (2) P (1) Colle 3))	Identify the mechanical subscribers supporting	.N	Mechanical bracelet head		
			P	The practical application of the subject		
29	N (2) P (1) Colle 3))	Identify the mechanical upscale partner under the annex	.N	Mechanical Supports partner under the attachment		
			P	The practical application of the subject		
30	N (2) P (1) Colle 3))	Learn how to assess the top parties	.N	Evaluation of the top parties		
			P	The practical application of the subject		

12. Infrastructure	
1 The required scripts required	<b>Biomechanics</b>
2 Home References (Sources)	<b>1- Biomechanics of Human HOTANCOCHOTION</b> <b>2- Education for Orthopedic Technician</b> <b>3- Part 1, Prosthetics for B.K Prosthesis</b> <b>4 - Part 2, Prosthetics for A.K Prosthesis</b>
The books and references recommended (scientific journals, reports, .... )	<b>International Journal of Prosthesis and Orthosis</b>
B Electronic References, Internet Sites....	

Development Plan of Development
<p>1- Update curriculum Since the evolution of the development and discoveries in the field Science of your biologist The different And seeking a systematic book My biologist The assistant yet The transfer of fundamental approvals is being circulated to all the institutions and universities of the Ministry of Education In addition To work a book of the practical side</p> <p>2- Translation of English-language teaching to Arabic with preserving foreign terminology in the translated curriculum</p> <p>3- Re-updated lectures</p> <p>4- Events of students The top Of them on scientific departments outside Iraq, especially in developed countries to develop skills</p> <p>5- Exchange experience among universities through the idea of mutual visitors</p>