

Academic Program Description Form

University Name: Al-Furat Al-Awsat Technical University

Faculty/Institute: Babylon Technical Institute

Scientific Department: Department of Pharmacy Technologies

Academic or Professional Program Name: Department of Pharmacy
Technologies

Final Certificate Name: Technical diploma in pharmacy technology

Academic System: Semester

Description Preparation Date: 2024/2/10

File Completion Date: 2024/3/9

Signature:

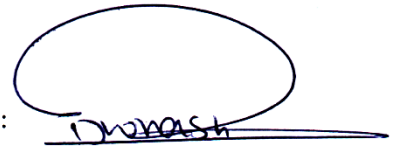


Head of Department Name: Mr.

Dr. Hassan Adheem Abbas

Date:

Signature:



Scientific Associate Name:

Pro Dr. Oras Khudhayer Obayes

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Khansaa Azeez Obayes

Date:



Signature:



Approval of the Dean

1. Program Vision

The Pharmacy Technology Department seeks to remain distinguished in preparing a distinguished cadre to work in health institutions, develop health care, scientific research, leadership and excellence in pharmaceutical education, scientific research and community service at the local, national and regional levels. The Pharmaceutical Technology Department also aspires to creativity, leadership and innovation in the field of pharmacology and pharmaceutical compounds and to advance the quality ladder to qualify a distinguished pharmaceutical technical cadre to work in various state institutions and the private sector to serve our dear country so that it takes its natural position among the countries of the developed world. It seeks excellence in pharmaceutical education, training and scientific research directed at developing pharmaceutical services dedicated to serving the patient and society at the local, regional and international levels.

2. Program Mission

The Department of Pharmacy Technologies is an educational and research institution of public benefit whose goal is human health. The department is keen to provide high-quality education and training using the latest multidisciplinary methods to prepare pharmacist assistants and pharmaceutical scientists who have high scientific and professional capabilities and skills to be leaders in their specialties who are able to spread health culture, provide the best health care in society, and develop scientific research for the well-being of society and human health.

3. Program Objectives

1. Preparing qualified pharmacists and pharmaceutical scientists to work in health institutions, community pharmacies, pharmaceutical laboratories, pathological analysis laboratories, and pharmaceutical factories, in addition to private

pharmaceutical marketing companies.

2. Updating and developing study plans to suit the labor market and community needs.

3. Taking into account the market need when developing related specializations in various fields of health.

4. Providing advanced and distinguished education to graduate professionally and research-qualified pharmacists.

4. Program Accreditation

The program has not received accreditation

5. Other external influences

The department's graduates serve the community in health institutions and hospitals and through practical application in Health centers and hospitals during summer training.

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	1	2	1.5	
College Requirements	2	5	3.8	
Department Requirements	34	129	94.5	
Summer Training				

Other				
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* This can include notes whether the course is basic or optional.

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
First year/semester the first (Week 15)		Pharmacy Principles	2	4
First year/semester the first (Week 15)		Basics Of Organic Chemistry	2	4
First year/semester the first (Week 15)		Analytical Chemistry	2	4
First year/semester the first (Week 15)		Medical terminology	1	0
First year/semester the first (Week 15)		Microbiology	2	2
First year/semester the first (Week 15)		Principle of Physiology	2	2
First year/semester the first (Week 15)		Human Rights and Democracy	2	0
First year/semester the first (Week 15)		Computer application	1	2
First year/semester the second (Week 15)		English	2	-
First year/semester the second (Week 15)		حسابات صيدلانية Pharmaceuticals Calculation	2	4

First year/semester the second (Week 15)		Basics Of Organic Chemistry	2	4
First year/semester the second (Week 15)		Biochemistry	2	4
First year/semester the second (Week 15)		Physiology	2	2
First year/semester the second (Week 15)		Virology and parasite	2	2
First year/semester the second (Week 15)		Biostatistics	2	0
First year/semester the second (Week 15)		Computer application	2	1
Second year/first semester (week 15)		Pharmaceutics	2	3
Second year/first semester (week 15)		Industrial Principles	2	3
Second year/first semester (week 15)		Principles Of Pharmaceutical Chemistry	2	3
Second year/first semester (week 15)		Principles of Drugs	2	3
Second year/first semester (week 15)		Basics of Therapeutic Application	2	2
Second year/first semester (week 15)		Medicinal Plants and Natural Products	2	2
Second year/first semester (week 15)		Toxicology	2	-
Second year/first semester (week 15)		Methodology	-	2
Second year/second		Industrial Pharmacy	2	3

semester (Week 15)				
Second year/second semester (Week 15)		Pharmaceutical Chemistry	2	3
Second year/second semester (Week 15)		Pharmaceutical Chemistry	2	3
Second year/second semester (Week 15)		Pharmacology	2	3
Second year/second semester (Week 15)		Therapeutic Application	2	2
Second year/second semester (Week 15)		Pharmacognacy	2	2
Second year/second semester (Week 15)		Professional Ethics	2	-
Second year/second semester (Week 15)		Proposal	-	2

8. Expected learning outcomes of the program

Knowledge	
Learning Outcomes 1	<ul style="list-style-type: none"> • Lectures • Laboratories • summer training • Graduation Project
Skills	
Learning Outcomes 2	1- Communication and conversation skills such as English and presentation skills 2_ The skill of the student's ability to dialogue and discuss 3- Leadership skill, taking responsibility, and developing personality to serve the decision 4- Self-education and self-reliance skills
Learning Outcomes 3	<ul style="list-style-type: none"> • Monthly exams • Daily exams • Oral exams

	<ul style="list-style-type: none"> • final exams • Discussing quarterly research.
Ethics	

9. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in implementing the program in general.

10. Evaluation methods

Implementing it in all stages of the program in general.

1. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor	Biology	Physiology			√	
Professor	Veterinary medicine	Medicines and toxins			√	
Professor	Chemistry	clinical Chemistry			√	
Assistant Professor	Law	Law			√	
Assistant Professor	Administration and Economics	Administration and Economics			√	
Assistant Professor	Biology	Biological resistance			√	
Lecturer	Veterinary medicine	Medicines and toxins			√	
Lecturer (2)	Chemistry	general chemistry			√	

Lecturer	ComputerScience	Computer			√	
assistant lecturer (3)	Biology	microbiology			√	
assistant lecturer	Biology	Physiology			√	
assistant lecturer	Biology	Medical parasitology			√	
assistant lecturer	Chemistry	analytical chemistry			√	
assistant lecturer	Veterinary medicine	Anatomy			√	
assistant lecturer	Chemistry	general chemistry			√	

Professional Development

Mentoring new faculty members

New members of the department are developed by introducing them to teaching methods courses, conducting a teaching validity test, and holding a training course, seminars, and workshops to train them in the approved work contexts.

Professional development of faculty members

Faculty members are developed by holding training courses, seminars and workshops to train them in approved work contexts

2. Acceptance Criterion

Central admission to the Ministry of Higher Education and Scientific Research

3. The most important sources of information about the program

- 1_ Methodical books
- 2_ Supporting sources
- 3_ Public sources
- 4_ The Internet

4. Program Development Plan

Future plans include developing the laboratories of the Pharmacy Technology Department, as well as developing the curriculum by deleting, adding, and replacing

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
First year		Pharmacy Principles	Basic	√	√	√	√	√	√	√	√	√		√	√
		Basics Of Organic Chemistry	Basic	√	√	√	√	√	√	√	√	√		√	√
First year		Analytical Chemistry	Basic	√	√	√	√	√	√	√	√	√		√	√
		Medical terminology	Basic	√	√	√	√	√	√	√	√	√		√	√
First year		Microbiology	Basic	√	√	√	√	√	√	√	√	√		√	√
		Principle Physiology	Basic	√	√	√	√	√	√	√	√		√	√	√
First year		Human Rights and Democracy	Basic	√	√	√		√	√	√	√		√	√	
		Computer application	Optional	√	√	√	√	√	√	√	√	√		√	√

First year		English	Optional	√	√	√	√	√	√	√	√	√		√	√
First year		Pharmaceuticals Calculation	Basic	√	√	√	√	√	√	√	√	√		√	√
First year		Basics Of Organic Chemistry	Basic	√	√	√	√	√	√	√	√	√		√	√
First year		Biochemistry	Basic	√	√	√	√	√	√	√	√	√		√	√
First year		Physiology	Basic	√	√	√	√	√	√	√	√	√		√	√
First year		Virology and parasite	Basic	√	√	√	√	√	√	√	√		√	√	√
First year		Biostatistics	Basic	√	√	√		√	√	√	√		√	√	
First year		Computer application	Optional	√	√	√	√	√	√	√	√	√		√	√

- Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

Course Description Form

1. Course Name:	
Principles of pharmacy	
2. Course Code:	
3. Semester / Year:	
Semester	
4. Description Preparation Date:	
2024/2/26	
5. Available Attendance Forms:	
Lectures	
6. Number of Credit Hours (Total) / Number of Units (Total)	
H 90,U 6	
7. Course administrator's name (mention all, if more than one name)	
Name: Hassan Adheem Abbas Email: nb.hsn4@atu.edu.iq	
8. Course Objectives	
Course Objectives	<ol style="list-style-type: none"> 1. Shedding light on this subject to introduce the first-year student to pharmacology, its history and origins. 2. Determine the dates for determining medication for the patient in general to determine how to determine this prescription and which ensures that its effect reaches the patient as much as possible 3. Definition of medicine and its sources
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none"> 1. Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue
10. Course Structure	

Week	Hou rs	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1_15	4	How to use laboratory, weigh and how to measure Preparation of different kinds aromatic waters (chloroform water, annis water, dill water, carwi water. benefit & properties) Preparation of Mixtures (liquid +liquid). (liquid+ solid) benefit & properties Preparation of Elixir Preparation of syrups Preparation of Lotions formulation , emulsions	Principles of Pharmacy lab	1.Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue	Daily testing. 2. Semester exam. 3. Annual testing. 4. Discussing quarterly And annual research
1-14	6	Introduction, terms & instrument Kinds of water used in pharmacy, Method of preparations. Pharmaceutical calculation of dosage form. Formulation & compounding of drugs & Rx Mixtures of (liquid +liquid) , (liquid+ solid), benefit & properties Mixtures containing precipitate forming liquids Mixtures containing slightly soluble liquid Mixtures containing small doses of potent drugs Powders, definition, powders in packets, Bulk powder, Methods of preparation of compound powders, powder in small doses (Elixirs, definition, contents), (Syrups, definition, Kinds) Suspension dosage form properties Emulsion ,definitions, kinds, tests and choice of emulsifying agents	Principles of Pharmacy	1.Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue	Daily testing. 2. Semester exam. 3. Annual testing. 4. Discussing quarterly And annual research

11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Enclopedi of pharmaceutical technology
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

Basics Of Organic Chemistry

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 90, 6 Units

7. Course administrator's name (mention all, if more than one name)

Name: Thikra Jawad

Email: thikra.jawad@atu.edu.iq

8. Course Objectives

Course Objectives

1. The student learns about the principles and basics of organic chemistry for simple aliphatic and aromatic compounds, including structure

classification, nomenclature, interaction and properties.

2. The student should be able to understand and know the mechanism of organic reaction intermediates, concepts of acidity and stability of aromatic molecules, as well as heterocyclic chemistry and stereochemistry.

3. The student will be able to learn the different methods for identifying the structural composition of organic compounds

9. Teaching and Learning Strategies

1. The theoretical lecture method.
2. Scientific lecture method.
3. Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	4	Type of Glass ware (Laboratory equipment) and safety. Care & uses of the balance. Separation & purification of organic compounds (Filtration). Separation & purification of organic compounds. Extraction. Crystallization. Recrystallization. Separation & purification of organic compounds	Basics Of Organic Chemistry lab	1. Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue	1. Daily testing. 2. Semester exam. 3. Annual testing. 4. Discussing quarterly And annual research
15	6	Sublimation. Separation & purification of organic compounds (Distillation). Physical properties; Determination of melting point. Quiz & unknown. Determination of boiling point. Quiz & unknown. I. Introduction to safety in the use of	Basics Of Organic Chemistry	1. Future lecture method. 2. Thermal lecture method. 3. Method of	1. Daily testing. 2. Semester exam. 3. Annual testing. 4. Discussing quarterly

	<p>chemicals.II.Identification, classification and labeling of chemicals</p> <p>III.Chemical safety cards</p> <p>IV.Transport and storage of chemicals Introduction in organic chemistry chemical bonds; Bonding in organic compounds; hybridization. Electron configuration; chemical formulas isomerism. Optical Isomerism Stereochemistryof organic compounds.</p> <p>Hydrocarbon (1) saturated carbons (Alkane)Nomenclature ; physical properties ; Structures ; chemical properties Preparations methods ; reactions , uses in pharmacy</p> <p>Hydrocarbo unsaturated (Alkenes) Nomenclature ; physical properties structure ;Chemical properties; Reaction of carbon - carbon double; uses in pharmacy.</p> <p>Cyclo Alkane ; structure ; nomenclature, phiscal& chemical properties ; structure ; reactions preparation methods .</p> <p>Hydrocarbons 111 (Alkens) Nomenclature; physical & chemical properties reaction; preparations methods.</p> <p>Aromatic hydrocarbons (Benzene) structure & Nomenclature of aromatic hydrocarbons.</p> <p>Chemical properties of Benzene Electrophilic aromatic substitution.</p> <p>Arenes (Structure, Nomenclature, physical & chemical properties.Chemical reaction; preparations methods.</p> <p>Phenol; structure, preparation, reaction uses pharmacy.</p> <p>Organic chemical instrumentation spectroscopy ; Infrared spectroscopy, UV, visible, nuclear- magnetic reasonance, mass- spectrometry.</p>		discussion and dialogue	And annual research
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Organic chemistry mcurry;5 th ed
Main references (sources)	Organic Chemistry by Robert T Morrison, Robert Boyd, 6th Edition 6th Edition. McMurry, J. (2008) Organic Chemistry. 7th Edition, Thomson Brooks Cole..
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

Analytical Chemistry

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 90, 6 Unit

7. Course administrator's name (mention all, if more than one name)

Name: prf Sawsan Hassan kadhun

Email: Sawsan_hassan@atu.edu.iq

8. Course Objectives

Course Objectives

1. The student learns the basic concepts and principles of analytical chemistry, including chemical reactions and methods for calculating various concentrations
2. The student discusses the principles of chemical analysis of various materials, including primitive ones, such as chemical titration of various types, such as spectroscopic analysis and chromatography.
3. The student will be able to apply these different methods in choosing the most appropriate one to analyze each substance according to its characteristics and components
4. The student will be able to apply this knowledge to different medicines to determine the concentration of the active ingredients in them and ensure that they comply with the specifications

9. Teaching and Learning Strategies

1. The theoretical lecture method.
2. Scientific lecture method.
3. Method of discussion and dialogue

13. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	4	Introduction, terms & instrument Kinds of water used in pharmacy, Method of preparations. Pharmaceutical calculation of dosage form. Formulation & compounding of drugs & Rx	Analytical Chemistry	1.Future lecture method. 2. Thermal lecture method. 3. Method of	1.Daily testing 2.Semester exam. 3. Annual testing.

		Mixtures of (liquid +liquid) , (liquid+ solid), benefit & properties Mixtures containing precipitate forming liquids Mixtures containing slightly soluble liquid Mixtures containing small doses of potent drugs Powders, definition, powders in packets, Bulked powder, Methods of preparation of compound powders, powder in small doses (Elixirs, definition, contents), (Syrups, definition, Kinds) Suspension dosage form properties Emulsion ,definitions, kinds, tests and choice of emulsifying agents	lab	discussion and dialogue	4.Discussing quarterly And annual research
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15	2	Classification of analytical chemistry. Solutions, molecular weight, equivalent weight. Reliability of analytical data. Gravimetric analysis-volumetric analysis, concentration of solutions, molarity and normality Preparation of solutions (molarity and normality). Preparation (solutions of part per millions). Examples: molarity, normality Standard solution, classification, preparation methods. Neutralization reaction-titration of strong acid against strong base-oxidation-Reduction reaction. Examples: volumetric analysis, chemical equilibrium, ionization constant of water. PH-values (for strong and weak acid) and for (strong and weak base). Buffer solutions, classification, properties, colorimetric analysis and its Methods Beer- limber's law-calibration curve. Fraction spectrum.	Analytical Chemistry	1.Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue	1.Dailytesting. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research
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14. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

15. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Fundamentals of Analytical chemistry by Skoog

Main references (sources)	Chemical Analysis in the Laboratory A Basic Guide,
Recommended books and references (scientific journals, reports...)	Modern Pharmaceutical Drug Analysis, by L . Zechmeister ,And L. Von Cholnoky, ISBN (13 (9-2718-224-81-978 :
Electronic References, Websites	Internet link

1. Course Name:

Medical terminology

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 15, 1 Unit

7. Course administrator's name (mention all, if more than one name)

Name: Saif Anwar Jaafar
Email: saif.nori@atu.edu.iq

8. Course Objectives

Course Objectives

1. Definition of medical terms and their maps
2. Know the basic elements of the medical word
3. Knowledge of the anatomical position, body levels
body cavities
4. Knowledge of radiological and diagnostic diversity

9. Teaching and Learning Strategies

1. The theoretical lecture method.
2. Scientific lecture method.
3. Method of discussion and dialogue

16. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	1	.Introduction to Medical Terminology, Define and historical of medical terminology. Basic Elements of a Medical Word, Word root Examples combining form. Common prefix and suffixes. Overview of Anatomy and Physiology. Anatomical Position, Body Planes and Body Cavities. Clinical, Radiologic, and Diagnostic Procedures. Digestive System Integumentary System The Musculoskeletal System The Reproductive System Respiratory System The Urinary System The Cardiovascular System Blood , Lymph and Immune Systems Nervous system	Medical terminology	1.Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue	1.Daily testing 2.Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research

17.	Course Evaluation		
The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the			
18.	Learning and Teaching Resources		
Required textbooks (curricular books, if any)		Lectures by the subject professor	
Main references (sources)		Methodical books	
Recommended books and references (scientific journals, reports...)		Research or pathological cases to study from hospitals	
Electronic References, Websites		Virtual electronic library	

1. Course Name:
Microbiology
2. Course Code:
3. Semester / Year:
Semester
4. Description Preparation Date:
2024/2/26
5. Available Attendance Forms:
Lectures
6. Number of Credit Hours (Total) / Number of Units (Total)
Hours 90, 4 Unit
7. Course administrator's name (mention all, if more than one name)
Name: hawraa ali , Khulood Abdul-Majeed Mohamed Jafeer Email: hawraa.ali.iba15@atu.edu.iq Khulood.jafeer@atu.edu.iq

8. Course Objectives

Course Objectives

1. The student learns about the various microscopic organisms, bacteria, parasites, and fungi, by reviewing their general characteristics and their methods of reproduction and spread in addition to determining their epidemiology.
2. The student will be able to know the most important methods used in diagnosis and prevention

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	Safety in lab, tools and instrument Sterilization, disinfection Smear Preparation Staining (Gram, Ziehl-Neelsen stain) Culture media (Preparation + types) Antibiotic sensitivity test Gram negative bacteria Gram positive bacteria Clostridium, spore staining, an aerobic culture Mycobacterium Pharmacodynamical interactions Drug contamination Mycology	Microbiology lab	1.Future lecture method. 2. Thermal lecture method. 3.Method of discussion and dialogue	1.Daily testing. 2.Semester exam 3. Annual testing 4.Discussing quarterly And annual research
		-History of biosafety microbiology and molecular	Microbiology		

15	2	<p>biology -Biosafety levels , Personal protective equipment -Laboratory facilities and safety equipment - Disinfection,decontamination , and sterilization. Introduction, bacterial shapes, bacterial cell structure and toxins Bacterial growth curve, oxygen requirement and PH Types of immunity, antigen and antibodies Antibiotics and antibiotics resistance Enterobacteriaceae (E. coli, Salmonella and Proteus)Pseudomonas, Vibrio Neisseria, H pylori Staphylococci Streptococci Mycobacterium, Corynebacterium Spores, Clostridium Chlamydia, Treponema Microbiota Drug contamination Introduction to mycology, types of fungal diseases, antifungal</p>		<p>1.Future lecture method. 2. Thermal lecture method. Method of discussion and dialogue</p>	<p>1.Daily testing. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research</p>
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Warren levinson
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

Principle of Physiology

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 60, 4 Unit

7. Course administrator's name (mention all, if more than one name)

Name: hanan.hammood

Email: hanan.hammood@atu.edu.iq

8. Course Objectives

Course Objectives

1. The student is able to identify the functions of the various body systems and describe their mechanism of action
2. The student can estimate the normal and abnormal values of the various body systems
3. Learn how to explain the amount of change in the normal functions of the various accompanying body systems

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.

Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	The microscope , structures and uses Making and staining of blood film Smearing and staining blood film The enumeration of red blood cells The enumeration of white blood cells Differential count Estimation of hemoglobin Identification of blood grouping	Principle of Physiology lab	1.Future lecture method. 2. Thermal lecture method. 3.Method of discussion and dialogue	1.Dailytesting. 2.Semester exam 3. Annual testing 4.Discussing quarterly And annual research
15	2	Cells and tissues , types of tissues Transport substances across cell membrane Blood , functions , types of cells, plasma , blood group Cardio vascular system , heart and blood vessels , cardiac cycle , blood Circulation Heart rhythm , SA node , electrocardiogram Respiratory system, functions , regulation of blood ph. digestive system , functions , organs and their secretion digestive tract, movement , accessory organs	Principle of Physiology	1.Future lecture method. 2. Thermal lecture method. Method of discussion and dialogue	1.Dailytesting. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research

11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Pathophysiology Conale
Recommended books and references (scientific journals, reports...)	Research or pathological cases to study from hospitals
Electronic References, Websites	Virtual electronic library

1. Course Name:

Human Rights and Democracy

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 30, 2 Unit

7. Course administrator's name (mention all, if more than one name)

Name: Hani Abdullah Omran
Email: hani.omran @atu.edu.iq

8. Course Objectives

Course Objectives

1. The student learns about continuous awareness of human rights and the fundamental freedoms associated with them

2. The student must be able to fight everything that aims ignore it, undermine it, or undermine its sanctity
3. Learn about the concept of democracy and its relationship to public freedoms

9. Teaching and Learning Strategies

The theoretical lecture method.
 Scientific lecture method.
 Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
5	2	Human rights - their definition - their goals Human rights in ancient civilizations, especially the Mesopotamian civilization Human rights in divine laws, with a focus on human rights in Islam Human rights in contemporary and modern history - international recognition of human rights since World War I and the League/United Nations Regional recognition of human rights, European Convention on Human Rights 1950, American Convention 0 Non-governmental organizations and human rights (International Committee of the Red Cross - Amnesty International - Human Rights Watch - National Human Rights Organizations	Human Rights and Democracy	1.Future lecture method. Thermal lecture method. 3.Method of discussion and dialogue	1.Dailytesting. 2.Semester exam Annual testing 4.Discussing quarterly And annual research

11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Human Rights Dr. Maher Saleh Allawi
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

Computer application 1

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 45, 3 Unit

7. Course administrator's name (mention all, if more than one name)

Name: Ali Hamza

Email: inb.ali210@atu.edu.iq

8. Course Objectives

Course Objectives

1. Enabling the student to understand all types of computer software that can be used
2. The student can use the computer at any time

3. The student is able to interact with educational lesson at the appropriate time

9. Teaching and Learning Strategies

The theoretical lecture method.
 Scientific lecture method.
 Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	Practical examples of browsing, opening and closing windows and dialog boxes The correct way to handle the keyboard and cursor Other devices. -Practical examples of customization, dealing with icons, and changing screen resolution. - Training the student to create a new user, enlarge the windows and display them Keyboard recognition On the physical components of the calculator. - Training the student to deal with computer software licensesIts types and dealing with origin The original software. Training the student to deal with Computer security. Training the student to deal with computer privacy	Computer application 1 lab	1.Future lecture method. 2. Thermal lecture method. 3.Method of discussion and dialogue	1.Dailytesting. 2.Semester exam 3. Annual testing 4.Discussing quarterly And annual research
	2	Computer Fundamentals The concept of the computer, stages of the computer life cycle, development of computer generations The computer and its areas of use. Computer classification	Computer application 1	1.Future lecture method. 2. Thermal lecture method. Method of	1.Dailytesting. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly

		in terms of purpose, size and type data Computer's components Components Computer Computer components are the physical parts For computer entities Software Your personal computer, computer security concept and software licenses Computer security and software licenses Computer Safety & Software Licenses Creator of the electronic world, forms of abuse, computer security, computer privacy		discussion and dialogue	And annual research
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Computer basics and office applications Microsoft office powerpoint 2013
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

Pharmaceuticals Calculation

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 90, 6 Unit

7. Course administrator's name (mention all, if more than one name)

Name: Hassan Adheem Abbas

Email: nb.hsn4@atu.edu.iq

8. Course Objectives

Course Objectives

1. Enable the student to understand pharmaceutical data
2. The applicant must be able to understand measurement systems and pharmaceutical calculations
3. Learn how to prepare various pharmaceutical preparations
4. The student will be able to memorize pharmaceutical preparations, their classification, and their benefits

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	4	Demonstration of different glass wares and equipment used in the field of pharmacy Pharmaceutical measurements.	Pharmaceuticals Calculation Lab	1.Future lecture method. 2.Thermal lectur method. 3.Method of	1.Dailytesting. 2.Semester exam Annual testing. 4.Discussing quarterly And

		Volume measurements Preparation of aromatic waters Preparation of simple solutions. Reducing and enlarging prescription contents. Percentages in calculating prescription contents. Stock solutions and dilution technique during dispensing technique)		discussion and dialogue	annual research
15	2	Careless calculations cost lives Units of measure Ratios and proportions Multi-dose vials Concentration and dilution Percentage volume-in-volume Percentage weight-in-weight Ratio strength Percent of error Apothecary system	Pharmaceuticals Calculation	1.Future lecture method. 2. Thermal lecture method. 3.Method of discussion and dialogue	1.Daily testing. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research

11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Pharmaceutical calculations Ansel
Recommended books and references (scientific journals, reports...)	British pharmacopoeia United State Pharmacopoeias European Pharmacopoeias
Electronic References, Websites	Virtual electronic library

1. Course Name:

Basics Of Organic Chemistry

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 90, 6 Unit

7. Course administrator's name (mention all, if more than one name)

Name: prf Sawsan Hassan kadhum

Email: Sawsan_hassan@atu.edu.iq

8. Course Objectives

Course Objectives

1. Identify aromatic hydrocarbons (benzene).
2. Reaction and diagnosis of aromatic carboxylic acid.
3. Preparation and reaction of amine uses in pharmacy
4. Identify reactions and identify aldehydes.

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
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15	4	<p>Solubility & classification . Determination of solubilities of organic compounds Quiz & unknown . Reaction & identification of alcohols .Quiz & unknown . Reactions & identification of aldehydes .Quiz & unknown . Reaction & identification of Ketones .Quiz & unknown . Reaction & identification of aliphatic/ Carboxylic acid./ Quiz & unknown/Reaction & identification of aromatic carboxylic acid.Identification of esters .Identification of aromatic Hydrocarbons (Benzene) .Quiz & unknown . Identification of ether . Identification of amines Compounds</p>	Basics Of Organic Chemistry Lab	<p>1.Future lecture method. 2.Thermal lecture method. 3.Method of discussion and dialogue</p>	<p>1.Daily testing. 2.Semester exam Annual testing. 4.Discussing quarterly And annual research</p>
15	2	<p>Organic halogen compound (Alkyl / halide) Structure; Nomenclature; physical & chemical properties. Preparation & uses; reactions.(Nucleophilic substitution Alcohol; structure & nomenclature preparation; reaction; uses in pharmacy.Aldehydes & ketones ; structure nomenclature .Preparations method & reaction . Carboxylic acid & its derivatives structure ; nomenclature preparation methods & its reaction ; uses in pharmacy .Amine ; structure ; nomenclature physical properties ; Basicity of amine .Preparation & reaction of amine uses in pharmacy Aromatic Diazonium salt; structure nomenclature ; preparation & reactions, their uses .Ethers ; structure ; nomenclature Physical and chemical</p>	Basics Of Organic Chemistry	<p>1.Future lecture method. 2. Thermal lecture method. 3.Method of discussion and dialogue</p>	<p>1.Daily testing. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research</p>

		properties reactions .Ester ; structure ; nomenclature ; reaction .Merercaptans ; thiols (sulfur organic compound)Structure ; reaction Hetero cyclic compounds structure; nomenclature Physical and chemical properties. Hetero cycliccompoundsfivemembered rings; six membered ring ; structure ; reaction .			
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	*Organic Chemistry by J. McMurry, latest Thomason learning, CA, USA. 3_ introduction to the chemistry of heterocy compound by Acheson, R. M. latest ed
Main references (sources)	McMurry, J. (2008) Organic Chemistry. 7th Edition, Thomson Brooks Cole
Recommended books and references (scientific journals, reports...)	*Organic Chemistry by Robert T. Morrison and Robert N. Boyd, latest edition..
Electronic References, Websites	Wikipedia

1. Course Name:

Biochemistry

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 90, 6 Unit

7. Course administrator's name (mention all, if more than one name)

Name: prf Sawsan Hassan kadhum

Email: Sawsan_hassan@atu.edu.iq

8. Course Objectives

Course Objectives

1. Helping to understand the principles of biochemistry
2. Providing a solid foundation for a successful chemical career
3. Providing the student with some basic skills that may be necessary for future studies, such as analyzing results and documents and using the Internet.

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	4	Carbohydrates classification-properties-monosaccharide reaction. Unknown (discussion). Disaccharides- reaction. Unknown, discussion-reports. Polysaccharides-reaction. Unknown, discussion-reports. Lipids-classification-fatty acids-hydrogenation. Determination of iodine No. and saponification. Proteins-classification of	Biochemistry Lab	1.Future lecture method. 2.Thermal lecture method. 3.Method of discussion and dialogue	1.Daily testing. 2.Semester exam Annual testing. 4.Discussing quarterly And annual research

		<p>amino acids-properties, reaction.</p> <p>Amino acids properties, reaction-testing and reports.</p> <p>Nucleic acid-nucleic proteins-discussion</p> <p>Enzymes and inhibitors-discussion.</p> <p>Hormones-properties, types, discussion, reports.</p> <p>Vitamins-types.</p> <p>Examination</p>			
15	2	<p>Biochemistry-Define-Importance. Carbohydrates-Define-Classification-Properties-Monosaccharides-Define-Properties-reactions. Disaccharides-Define-Types-Properties-chemical reactions. Polysaccharides-Define-Types-Properties-Chemical reactions and Reports.</p> <p>Metabolism of carbohydrates. Lipids-Define-classification-Fatty acids-classification – properties. Hydrations-rancidity-iodine number-saponification- metabolism of fat. Proteins-define-classification-properties. Amino acids-define classification-properties-chemical reaction</p> <p>Metabolism of proteins and amino acids. Nucleic acids-nucleic proteins-reports</p> <p>Enzymes-define classification-properties-chemical reactions- enzymes inhibitors. Hormones-define-classification-properties-proteins hormone- functions. Non protein hormones classification.</p> <p>Vitamins-Types-properties-vitamin soluble in water. Vitamins soluble in fat-types properties.</p>	Biochemistry	<p>1.Future lecture method.</p> <p>2. Thermal lecture method.</p> <p>3.Method of discussion and dialogue</p>	<p>1.Daily testing.</p> <p>2. Semester exam.</p> <p>3. Annual testing.</p> <p>4.Discussing quarterly And annual research</p>

11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Harper, s illustrated biochemistry
Main references (sources)	Lehninger(principles of biochemistry
Recommended books and references (scientific journals, reports...)	Stryer (biochemistry) voet (biochemistry)
Electronic References, Websites	Wikipedia

1. Course Name:

Physiology

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 60, 4 Unit

7. Course administrator's name (mention all, if more than one name)

Name: Name: hanan.hammood
Email: hanan.hammood@atu.edu.iq

8. course Objectives

Course Objectives

1. Study of many different diseases that affect the human body

2. Study of the physiology and pathogenesis of diseases occurring within the body.
3. Identify the most prominent clinical signs accompanying the occurrence of diseases.
4. Identify diseases that affect organs in all body systems

9. Teaching and Learning Strategies

The theoretical lecture method.
 Scientific lecture method.
 Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	The erythrocyte sedimentation rate Bleeding and clotting time The determining of body temperature Tracing of the pulse Heart sound Measurement of blood pressure The effect of exercises on blood pressure The electrocardiogram The spirometer and its uses in the measurement of respiratory volume Systems and parts of the human body Demonstration of natural bones The uses of national statem nervous system, define	Lab Physiology	1.Future lecture method. 2.Thermal lectur method. 3.Method of discussion and dialogue	1.Dailytesting. 2.Semester exam Annual testing. 4.Discussing quarterly And annual research
15	2	, parts of nervous system, functions Nerves , synapses , neurotransmitters. Autonomi c nervous system , functions , receptors Blood pressure urinary system , structures , functions Regulation.function s of the kidneys Muscles , type , functions , contraction endocrine glands ,	Physiology	1.Futurelecture method. 2. Thermal lecture method. 3.Method of discussion and	1.Dailytesting. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual

	types , functionsRegulation of body temperature and posters		dialogue	research
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Physiology
Main references (sources)	Pathophysiology Conale
Recommended books and references (scientific journals, reports...)	Research or pathological cases to study from hospitals
Electronic References, Websites	Virtual electronic library

1. Course Name:

Virology and parasite

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 60, 4 Unit

7. Course administrator's name (mention all, if more than one name)

Name: hawraa ali , Khulood Abdul-Majeed Mohamed Jafeer

Email: hawraa.ali.iba15@atu.edu.iq

Khulood.jafeer@atu.edu.iq

8. course Objectives

Course Objectives

1. Knowing the diseases of the body, types of parasites, and how to diagnose them.
2. Knowledge of various parasitological analyzes to diagnose the types of parasites.
3. Knowledge of all diseases through cultivation of slides.
4. . Identify viruses.
5. Knowing the types of diseases caused by viruses
6. Knowing how to diagnose viruses and how to treat them.

9. Teaching and Learning Strategies

The theoretical lecture method.
 Scientific lecture method.
 Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	Microbiological safety cabinet Electron microscope Tissue culture Embryonated egg Lab animals Serological diagnosis Immunochromatography PCR Entamoeba histolytica, Giardia Lamblia Trichomonas vaginalis, Leishmania Plasmodium, Toxoplasma gondii Enterobius vermicularis, Ascaris lumbricoides Schistosoma spp Echinococcus granulosus (hydatid cyst) Taenia saginata Taenia solium	Lab Virology and parasite	1.Future lecture method. 2.Thermal lecture method. 3.Method of discussion and dialogue	1.Daily testing. 2.Semester exam Annual testing. 4.Discussing quarterly And annual research

15	2	<p>Introduction to virology, virus structure, classification, viral replication Antivirals and vaccines DNA enveloped viruses (Herpes simplex virus, Cytomegalovirus, Varicella-Zoster virus DNA non envelop viruses (Human Papilloma virus, Adenovirus) Mumps, measles, Rubella Influenza ,Coronavirus, Rota Hepatitis viruses, HIV</p> <p>Introduction to Parasitology, classification, antiparasitics drugs Entamoeba histolytica, Giardia Lamblia Trichomonas vaginalis, Leishmania Plasmodium, Toxoplasma gondii Nematodes (Enterobius vermicularis, Ascaris lumbricoides) Trematodes (Schistosoma spp) Cestodes Echinococcus granulosus (hydatid cyst) Taenia saginata Taenia solium</p>	Virology and parasite	<p>1.Future lecture method. 2. Thermal lecture method. 3.Method of discussion and dialogue</p>	<p>1.Daily testing. 2. Semester exam. 3. Annual testing. 4.Discussing quarterly And annual research</p>
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Methodical books
Recommended books and references (scientific journals, reports...)	Medical microbiology, sixteenth edition E.Jawetz, J.L.
Electronic References, Websites	Virtual electronic library

1. Course Name:

Biostatistics

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 30, 2 Unit

7. Course administrator's name (mention all, if more than one name)

Name: saadia.alsultani

Email: saadia.alsultani@atu.edu.iq

8. course Objectives

Course Objectives

. The student will be able to process and analyze statistical data, reach correct conclusions, and prepare a statistical form

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	Definition of statistics. Data collection methods - presenting and describing statistical data	Biostatistics	1.Future lecture method. 2.Thermal lectur method.	1.Dailytesting. 2.Semester exam Annual testing. 4.Discussing

		<p>“Representing frequency distributions,” tabulated data, “tabular display,” and distribution tables</p> <p>Repetitiveness</p> <p>Graphical display - histogram, histogram, histogram, and polygon.</p> <p>Measures of central tendency -Arithmetic mean . The mediator. The mode.</p> <p>Life statistics, ratio and rate</p> <p>Fertility statistics.</p> <p>Disease statistics - life tables.</p> <p>Definition of health statistics and its sources.</p> <p>Fields treated by health statistics.</p> <p>Statistics of causes of death (medical certificate, cause, death, death certificate).</p> <p>Statistics of health institutions</p>	Biostatistics	<p>3.Method of discussion and dialogue</p> <p>1.Futurelecture method.</p> <p>2. Thermal lecture method.</p> <p>3.Method of discussion and dialogue</p>	<p>quarterly And annual research</p> <p>1.Dailytesting.</p> <p>2. Semester exam.</p> <p>3. Annual testing.</p> <p>4.Discussing quarterly And annual research</p>
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Modern Pharmaceutical Drug Analysis, by L. Zechmeister ,And L. Von Cholnoky, ISBN (13) : 978-81-224-2718-9
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

Computer application 1

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 45, 3 Unit

7. Course administrator's name (mention all, if more than one name)

Name: Ali Hamza

Email: nb.ali210@atu.edu.iq

8. course Objectives

Course Objectives

1. The student must be familiar with various calculator applications
2. To be able to distinguish between the types of software that can be interacted with.

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
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15	2	<p>Write many texts and train the student to conduct them Events.</p> <p>- Training the student to create texts in different formats And drag it onto the printer.</p> <p>-Practical exercises on texts within the document. -Giving names of companies or Students And train the student on Find and replace a specific name. Training the student on page layout, training view tab On writing texts Giving practical examples of inserting training objects Writing texts in a more professional manner Giving practical examples of the Insert tab group of pages Give practical examples of a set of tables Giving other practical examples of a group of tables Training the student on a set of illustrations -Insert a specific picture and assign the student to conduct these activities. Training the student to write texts that include currency symbols Special letters, scientific symbols, etc. -Training the student to write equations that include addition formulas b and raise als and matrices in different forms. -Training the student to create tables and enter data -Practice opening a new file and storing it on the desktop. - Add and edit slides (title slide, title with Content, subtitle, two contents, comparison, title only, Y with caption, image with caption.) - Add and edit content slide types</p> <p>-Training on deleting, moving and rearranging slides. Add a</p>	<p>Computer application 1</p> <p>lab</p>	<p>1.Future lecture method. 2.Thermal lecture method. 3.Method of discussion and dialogue</p>	<p>1.Daily testing. 2.Semester exam Annual testing. 4.Discussing quarterly And annual research</p>
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	<p>.theme Applying the Slide Master activity - Adding animations And set the time and repetition for entire slides Differently for each segment.</p> <p>Write many texts and train the student to conduct them Events. Training the student to create texts in different formats And drag it onto the printer. Practical exercises on texts within the document. - Giving names of companies or students And train the student on Find and replace a specific name. Training the student on page layout, training view tab On writing texts Giving practical examples of inserting training objects Writing texts in a more professional manner Giving practical examples of the Insert tab group of pages Give practical examples of a set of tables Giving other practical examples of a group of tables Training the student on a set of illustrations -Insert a specific picture and assign the student to conduct these activities. -Training the student to write texts that include currency symbols Special letters, scientific symbols, etc. Training the student to write equations that include addition formulas b and raise als and matrices in different forms. - Training the student to create tables and enter data Practice opening a new file and storing it on the desktop. - Add and edit slides (title slide, title with Content, subtitle, two contents, comparison, title only, Y with caption, image</p>	<p>Computer application 1</p>	<ol style="list-style-type: none"> 1. Future lecture method. 2. Thermal lecture method. 3. Method of discussion and dialogue 	<ol style="list-style-type: none"> 1. Daily testing. 2. Semester exam. 3. Annual testing. 4. Discussing quarterly And annual research
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		with caption.) - Add and edit content slide types -Training on deleting, moving and rearranging slides.-Add a .theme- Applying the Slide Master activity - Adding animations And set the time and repetition for entire slides Differently for each segment.			
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Lectures by the subject professor
Main references (sources)	Computer basics and office applications Microsoft office powerpoint 2013
Recommended books and references (scientific journals, reports...)	Methodical books
Electronic References, Websites	Virtual electronic library

1. Course Name:

English

2. Course Code:

3. Semester / Year:

Semester

4. Description Preparation Date:

2024/2/26

5. Available Attendance Forms:

Lectures

6. Number of Credit Hours (Total) / Number of Units (Total)

Hours 30, 2 Unit

7. Course administrator's name (mention all, if more than one name)

Name:

Email:

8. course Objectives

Course Objectives

1. Providing students with basic skills to communicate in the English language
2. The student should be able to use English grammar correctly and employ writing skills according to sound foundations.

9. Teaching and Learning Strategies

The theoretical lecture method.
Scientific lecture method.
Method of discussion and dialogue

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
15	2	In this course of teaching English language, the students will develop their intellectual, personal and professional abilities, acquire basic language skills (listening, speaking, reading and writing) in order to communication with speakers of English language, also acquire the linguistic competence necessarily required in various life situations. And develop their awareness of the importance of English as a means of international communication. Grammar (There is/are,	English	1.Future lecture method. 2.Thermal lecture method. 3.Method of discussion and dialogue	1.Daily testing. 2.Semester exam Annual testing. 4.Discussing quarterly And annual research

		<p>preposition).Pronunciation . Translation.Everyday English (Directions) Grammar (was/ were, past tense , irregular verbs). Writing(Famous people). Vocabulary (Words groups) . Past tense (We had a good time).Grammar (past simple, regular verbs, irregular verbs) . Listening (Mike's day), Writing (Last Saturday).Questions (Where, What, Who, etc.).Everyday English (Fill in forms) Exercises .Activities (We can do it).Listening (Can I be in your Pop group ?). Pronunciation (can / can't). Requests and offers .Everyday English (What is the problem?) . Vocabulary (odd one out Exercises.Asking politely (I want , would like) . Speaking in the restaurant (food and drink)Translation . Reading (You are what you eat).</p>			
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11. Course Evaluation

The evaluation method is as follows: 15% for the theoretical exam and 25% for the theoretical exam outside of 40%. As for the final examination, it is 25% for the practical exam and 35% for the

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Headway
Main references (sources)	British council website
Recommended books and references (scientific journals, reports...)	Basics of the English language
Electronic References, Websites	Virtual electronic library