Course description form

Course name
General Physiology
Course Code
Semester/Year
year
Date this description was prepared :
2024-2-20
Available forms of attendance :-
Number of study hours (total)/number of units (total)
4\6
Name of the course administrator (if more than one name is mentioned)
Name :Lecturer . Dr. Alaa Hashem Muhammad Qutb Asst . Lecturer. Ban Jassim Sadoon Email:-
Course objectives

Objectives of the study subject	Identify the functions of different body systems Describe the mechanism of operation of the various body systems and the sequence of physiological events accompanying them . To distinguish between normal and abnormal functions of different body systems Expanding knowledge through periodicals, medical books, and the Internet
Teaching and learning strategies	
The strategy	Discussion and dialogue in presenting the topic - using modern illustrative methods such as data shows and scientific applied programs - clarifying the material in a simplified manner and using modern technology in education - raising questions and deriving answers from them - ensuring the method of research and conclusion - linking the scientific material to relevant external scientific materials to reach the goal The purpose of the lesson

Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily exam	Theoretical lecture	Introduction to physiology, cells, cell components and functions	Introduction to physiology	6	**1 st**
Daily exam	Theoretical lecture	Transport across cell membrane, extracellular and intracellular fluid	Transport across the plasma membrane , fluids outside and inside cells	6	**2nd**
Daily exam	Theoretical lecture	Skeletal muscle, structure, contraction, muscle pain, muscle tone and muscle fatigue	Skeletal muscle, its structure, muscle contraction, muscle pain, muscle tone, muscle fatigue	6	**4 rd**
Daily exam	Theoretical lecture	Nerve cells, shape, type, structure, impulse, signal	Nerve cells, shape , type , structure , impulse , signal	6	**5 th**
Daily exam	Theoretical lecture	Action potential	Action potential	6	**6 th**
Daily exam	Theoretical lecture	Blood, function of blood, serum, plasma	Blood types and functions Serum and plasma	6	7 th

Daily exam	Theoretical lecture	Erythrocyte, hemoglobin and, Anemia. Role of erythropoietin in erythrocyte production	Red blood cells Hemoglobin and anemia The role of erythropoietin in the formation of red blood cells	6	8 th
Daily exam	Theoretical lecture	platelet and WBC	White blood cells And platelets	6	9 th
Daily exam	Theoretical lecture	clotting blood	Blood clotting	6	10 th
Daily exam	Theoretical lecture	Cardiovascular system, heart valve cycle, HR conductive	heart and blood vessels Functions and heart valves	6	11 th
Daily exam	Theoretical lecture	Heart sound and murmurs, ECG	ECG sounds the heart	6	12 th
Daily exam	Theoretical lecture	Blood Pressure	blood pressure	6	13 th
Daily exam	Theoretical lecture	Respiratory system	Respiratory system	6	14 th
Daily exam	Theoretical lecture	Oxygen transport and exchange. exchange	Gaseous exchange	6	15 th
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily exam	Practical lecture	Electron microscope	The microscope, type, parts, how to use it.	6	**1 st**
Daily exam	Practical lecture	Blood and blood collection The difference between plasma and serum	Hematology, collection of blood, capillary blood ; venous blood; plasma and serum.	6	**2nd**
Daily exam	Practical lecture	Hemoglobin and methods of measuring it	Hemoglobin estimation by acid hematin method	6	**4th**
Daily exam	Practical lecture	Compressed blood volume	Packed cell volume (PCV).	6	**5 th**
Daily exam	Practical lecture	Red blood cells	Red blood cells count.	6	6 th
Daily exam	Practical lecture	White blood cells	Total leukocyte count	6	7 th
Daily exam	Practical lecture	Examination of retinal cell numbers	Reticulocyte count test	6	8 th
Daily exam	Practical lecture	Normal blood volume	Normal blood standard	6	9 th

Daily exam	Practical lecture	Blood smear	Blood smear; staining.	6	10 th
Daily exam	Practical lecture	Variation in the number of white blood cells	Differential leukocyte count (types of WBC).	6	11 th
Daily exam	Practical lecture	The shape of blood cells	Study of morphology of red blood cells.	6	12 th
Daily exam	Practical lecture	Movement of blood cells	Scientific movies show of blood	6	13 th
Daily exam	Practical lecture	Methods of examining red blood cells	Erythrocyte sedimentation rate by westergren method	6	14 th
Daily exam	Practical lecture	Check ESR	ESR by wintrod method.	6	15 th

Course evaluation	
Daily, quarterly and monthly exams	
Learning and teaching resources	
Medical physiology and general physiology book	Required textbooks (methodology, if any)
All books on physiology, such as Ganingham , Gytun , lippincot , And Vander.	Main references (sources)
Scientific journals from the Internet, scientific reports and research from the Internet, new ideas and research that are presented in conferences and seminars and which are approved and published in later research.	Recommended supporting books and references (scientific journals reports....)
Free Full, Science Direct, Pub Med	Electronic references, Internet sites

Course description form

Course Name
Anatomy 1
Course Code
Semester/year
year
Date this description was prepared
2-2-2024
Available forms of attendance
Number of study hours (total)/number of units (total)
4\6
Name of the course administrator (if more than one name is mentioned)
Name : Lecturer .. Dr.. Zahraa Saleh Mahdi +Asst. Lecturer . Bashir Ali Hassan Asst. Lecturer .Laqaa Abdul Karim abdalkareem@alzahraa.edu.iq. zahraa.mahdi@alzahraa.
Course objectives

Objectives of the study subject	• **The course aims for the student to be familiar with the anatomy of the human body, organs, and tissues, as well as to know the relationship between them**
Teaching and learning strategies	
The strategy	• Using theoretical lectures in college classrooms. • Watching anatomical videos and posters in the laboratory to teach the student in person. • Teaching the student the concepts of general anatomy, in addition to adopting additional sources to enrich the lectures with modern concepts of anatomy.

Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly exams	theoretical and practical lecture	Introduction, anatomical terms	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	1
Daily and monthly exams	theoretical and practical lecture	Body cavities and its organs	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	2
Daily and monthly exams	theoretical and practical lecture	Superficial anatomy of human body	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	3
Daily and monthly exams	theoretical and practical lecture	human body tissues; types and characteristics .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	4
Daily and	theoretical and	Skin anatomy and its functions skin	The student's knowledge	6	5

monthly exams	practical lecture	color .	of the scientific subject and awareness of scientific, mental, and professional skills		
Daily and monthly exams	theoretical and practical lecture	General skeletal stricture (Skull, and neck .(	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	6
Daily and monthly exams	theoretical and practical lecture	Vertebral column stricture, numbers and its function .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	7
Daily and monthly exams	theoretical and practical lecture	Diaphragm and abdominal wall muscles .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	8
Daily and monthly exams	theoretical and practical lecture	Anatomy of heart, wall, valve and its function	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	9
Daily and monthly exams	theoretical and practical lecture	Structure of blood vessels wall arteries, veins and capillaries .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	10
Daily and monthly exams	theoretical and practical lecture	Lymphatic system – lymph glands .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	11
Daily and monthly exams	theoretical and practical lecture	Respiratory system – upper respiratory tract .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	12
Daily and monthly exams	theoretical and practical lecture	Respiratory system-lover respiratory tract .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	13
Daily and monthly exams	theoretical and practical lecture	Alveoli-lungs-pleural activity .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	14
Daily and monthly exams	theoretical and practical lecture	Upper and lower edge	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	15
Daily and monthly exams	theoretical and practical lecture	CNS structure and functions	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	1
Daily and monthly exams	theoretical and practical lecture	PNS spinal nerves	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	2
Daily and monthly exams	theoretical and practical lecture	Sensory and motor nerves systems	The student's knowledge of the scientific subject and awareness of	6	3

			scientific, mental, and professional skills		
Daily and monthly exams	theoretical and practical lecture	GIT system; parts and structure of wall and stomach .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	4
Daily and monthly exams	theoretical and practical lecture	Salivary gland structure, pancreases and gallbladder .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	5
Daily and monthly exams	theoretical and practical lecture	Liver anatomy structure and functions	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	6
Daily and monthly exams	theoretical and practical lecture	Urinary system kidney, ureter, urinary bladder, urethra	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	7
Daily and monthly exams	theoretical and practical lecture	Muscular system .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	8
Daily and monthly exams	theoretical and practical lecture	Reproductive system – male genitalia .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	9
Daily and monthly exams	theoretical and practical lecture	Female reproductive organs	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	10
Daily and monthly exams	theoretical and practical lecture	Endocrine glands-anatomy and function .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	11
Daily and monthly exams	theoretical and practical lecture	Endocrine glands-anatomy and function .	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	12
Daily and monthly exams	theoretical and practical lecture	Special sense anatomy	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	13
Daily and monthly exams	theoretical and practical lecture	Skeletal system anatomy	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	14
Daily and monthly exams	theoretical and practical lecture	The development and inheritance	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	6	15

Course evaluation

- ☒ homework
- ☒ Daily exams
- ☒ Reports
- ☒ Daily attendance

☒ Skills and speed of completing tasks ☒ Monthly exam score ☒ The student is evaluated based on his success in understanding the scientific material, practical training in the laboratory, and using skeletons to learn about the body's systems anatomically	
Learning and teaching resources	
Required textbooks (methodology, if any)	- Principles of Anatomy by Dr. Abdul Rahman Mahmoud Al Rahim, Ministry of Health Atlas of anatomy (Grantes)
Main references (sources)	Kingham anatomy- Oxford- London/1987
Recommended supporting books and references (scientific journals reports....)	Principles of anatomy for students of medica and health colleges
Electronic references, Internet sites	Clinical natomy grants atlas of anatomy

Course description form

Course Name
Biology
Course code
Semester/year
year
Date this description was prepared
20-2-2024
Available forms of attendance:- In person
Number of study hours (total)/number of units (total)
4\6
Name of the course administrator (if more than one name is mentioned)
Name: Dr.. Farah Amer Abbas Asst. Lecturer . Fatima Salem Obaid Asst. Lecturer .Hadeel Salah Mahdi Email:- Fatimah s.obaid@gmail.com

Course objectives	
Objectives of the study subject	Understanding and studying the biology of the human body Introducing the student and giving him all the scientific information regarding the types of cells and tissues found in the human body
Teaching and learning strategies	
The strategy	Display slides of biological material on the screen and study them under the microscope. Use a smart board. Asking external questions that flow into the topic

Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly exams	Screen use - Scientific references	Microscope, introduction to biology, prokaryotic cells Animal and plant cells	Microscope, introduction to biology, prokaryotic cells , Animal and plant cells	6	1
Daily and monthly exams	Screen use - Scientific references	Cell structure, types, shape and size	Cell structure, types, shape and size	6	2- 3
Daily and monthly exams	Screen use - Scientific references	Movement inside and outside cells: diffusion, osmosis, active transport	Movement inside and outside cells: diffusion, osmosis, active transport	6	5-4
Daily and monthly exams	Screen use - Scientific references	Cells: mitosis and meiosis	Cells: mitosis and meiosis	6	6
Daily and monthly examinations	Screen use - Scientific references	DNA :RNA, DNA replication	RNA, DNA replication	6	8-7
Daily and monthly examinations	Screen use - Scientific references	Protein biosynthesis	Protein biosynthesis	6	9
Daily and monthly exams	Screen use - Scientific references	Human body tissues: epithelial tissues	Human body tissues: epithelial tissues	6	11-10
Daily and monthly exams	Screen use - Scientific references	Muscle and nervous tissue	Muscle and nervous tissue	6	13-12
Daily and monthly exams	Screen use - Scientific references	Connective tissues: bones and cartilage	Connective tissues: bones and cartilage	6	14
Daily and monthly examinations	Screen use - Scientific references	Blood and lymph	Blood and lymph	6	15

Course evaluation	
Conducting daily examinations for female studentsa- Oral exam, practical report, monthly and final examsb- Surprising, inferential questions during the discussion between the two sidesc-	
Learning and teaching resources	
Required textbooks (methodology, if any)	A text book of human biology
Main references (sources)	Central Library, Internet
Recommended supporting books and references (scientific journals, reports....)	
Electronic references, Internet sites	

Course description form

Course Name
General chemistry
Course Code
Semester/year
year
Date this description was prepared
22-2-2024
Available forms of attendance
Number of study hours (total)/number of units (total)
4\6
Name of the course administrator (if more than one name is mentioned)
Name :Asst . Lecturer. . Karar Hazem Salem Email: karrar.salem@alzahraa.edu.iq
Course objectives

Objectives of the study subject	Performing various techniques of descriptive and quantitative analyzesof components in blood and other body fluids Man in health and sickness.
Teaching and learning strategies	
The strategy	Teaching and learning methods in biochemistry vary and depend on several factors, including .Students' level and cognitive abilities .Course objectives .Available capabilities The most important methods of teaching and learning in biochemistry are the following Lectures: Lectures are one of the most important teaching methods in biochemistry, as the teacher explains the basic concepts and theories of the .subject Discussions: Discussions are an effective way to enhance understanding and solve problems, as the teacher asks students questions and encourages them to .participate and discuss answers Practical applications: Practical applications are an effective way to link theoretical concepts to reality, as the teacher asks students to conduct experiments or practical projects E-learning: E-learning is a modern and educational method, where students can learn through videos and simulation programs

Course structure -1

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
general questions And discuss And a daily exam	Theoretical + practical	Scope of biochemistry in health and disease, cell and cell components .	The scope of biochemistry in health and disease, the cell and cell components.	6	1
general questions And discuss And a daily exam	Theoretical + practical	Some aspects of physical chemistry, Gas laws, Boyle's law, Graham's Law of diffusion, Dalton's Law of partial pressure, General gas equation, the international system of units .	Some aspects of physical chemistry, gas laws, Boyle's law, Graham's law of diffusion, Dalton's law of partial pressure, the general gas equation, the International System of Units.	6	2
general questions And discuss And a daily exam	Theoretical + practical	Radio activity and radioactive isotopes .	Radioactivity and radioactive isotopes.	6	3

general questions And discuss And a daily exam	Theoretical + practical	Solutions and methods of expressing colloidal concentrations olu tion .	Solutions and methods for expressing colloidal solution concentrations.	6	4
general questions And discuss And a daily exam	Theoretical + practical	The PH concept, acid-base balance, chemical balance, common ion	PH concept , acid-base balance, chemical balance, common ion	6	5
general questions And discuss And a daily exam	Theoretical + practical	Buffer and buffer systems of physiological importance in living systems .	Dielectric and buffer systems are physiologically important in living systems.	6	6
general questions And discuss And a daily exam	Theoretical + practical	Blood, blood components, body fluids, regulation of blood Ph and body	Blood, blood components, body fluids, regulate the pH of the blood and the body	6	7
general questions And discuss And a daily exam	Theoretical + practical	Water and electrolyte balance – osmotic pressure of body fluids, control of total electrolytes and body fluids .	Water and electrolyte balance – osmotic pressure of body fluids, control of total electrolytes and body fluids.	6	8
general questions And discuss And a daily exam	Theoretical + practical	Carbohydrates classification reactions, main carbohydrates in the human body .	Carbohydrate classification reactions, the main carbohydrates in the human body.	6	9
general questions And discuss And a daily exam	Theoretical + practical	Metabolism of carbohydrates, blood glucose factors controlling glucose level in blood .	Carbohydrate metabolism and blood glucose factors that control blood glucose level.	6	10
general questions And discuss And a daily exam	Theoretical + practical	Glucose abnormalities, diabetes mellitus, ketosis, glycosuria, glucose tolerance curve .	Glucose abnormalities, diabetes mellitus, ketosis , glycosuria, glucose tolerance curve.	6	11
general questions And discuss And a daily exam	Theoretical + practical	Lipids, classification, derived lipids, compound, lipids .	Lipids, classification, derived fats, compound, lipids.	6	12
general questions And discuss And a daily exam	Theoretical + practical	Lipid metabolism, lipid abnormalities .	Fat metabolism, lipid disorders.	6	13
general questions And discuss And a daily exam	Theoretical + practical	Proteins, classification, functions, peptide bonds, amino acids, chemical reactions .	Proteins, their classification, functions, peptide bonds, amino acids, chemical reactions.	6	14
general questions And discuss And a daily exam	Theoretical + practical	Nucleic acids and their Expression, DNA Replication, Nutation, RNA Topology .	Nucleic acids and their expression, DNA replication, RNA topology.	6	15
Course evaluation -2					
Participation in the classroom Submitting periodic reports Weekly exams Monthly and final exams					
Learning and teaching resources -3					

Atkins' Physical Chemistry Organic Chemistry by Clayden Basics of biochemistry, Dr. Sami Al-Muzaffar	Required textbooks (methodology, if any)
Chem Libretexts Nature Chemistry Nature Biotechnology	Main references (sources)
Lehninger Principles of Biochemistry Stryer Biochemistry	Recommended supporting books and references (scientific journals, reports....)
Journal of Biological Chemistry Google Scholar	Electronic references, Internet sites

Course description form

Course Name
Medical Physics 1
Course Code
Semester/year
year
Date this description was prepared
2024-20-2
Available forms of attendance
Number of study hours (total)/number of units (total)
4\6
Name of the course administrator (if more than one name is mentioned)
Name : - Asst. Lecturer.. Zahraa talib Asst. Lecturer. Hala Riad
Course objectives

Objectives of the study subject	• Giving the student an idea of the material he needs in his studies in the subsequent stages • Learn about some advanced concepts in physics and how to use these concepts in medical sciences • Identify some physical ideas and their applications
Teaching and learning strategies	
The strategy	• . Sudden daily and continuous weekly tests • Exercises and activities in the classroom • Directing students to some websites to benefit from them

Course structure .1

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
General questions and discussion	Theoretical + practical	Physics of skeleton, pressure	the pressure	6	1-2
General questions and discussion	Theoretical + practical	Energy, work and power of the body	Energy and work	6	3-4
General questions, discussion, and daily exams	Theoretical + practical	Heat and cold in medicine	Heat in medicine	6	5-6
General questions, discussion, and daily exams	Theoretical + practical	Specific heat, heat capacity, laten heat, thermometer and its kinds	Specific heat and heat capacity	6	7-8
General questions and discussion	Theoretical + practical	Boyle law diffusion and mixing of gases	Boyle's law	6	9-10
Monthly exam	Theoretical + practical	Physics of lung and breathing	Sound and waves	6	11-12
General questions and	Theoretical + practical	Evaporation of liquid, vapor pressure and boiling point	Evaporation of gases	6	13-14

discussion					
General questions and discussion	Theoretical + practical	Physics of cardiovascular system	electrical	6	15-16
General questions, discussion, and daily exam	Theoretical + practical	Physics of eye and vision, physics of ear and hearing	Magnetism	6	17-18
General questions and discussion	Theoretical + practical	Electricity within the body	electrical	6	19-20
General questions and discussion of group assignments	Theoretical + practical	Application of electricity and magnetism in medicine	Applications Electricity and magnetism in the body	6	21-22
General questions, discussion, and daily exam	Theoretical + practical	Light in medicine, sound in medicine	Light and sound in medicine	6	23-24
General questions and discussion	Theoretical + practical	Physics of nuclear medicine, radiotherapy, radiation protection.	Nuclear Physics	6	25-26

Course evaluation

- Participation in the classroom
- Submitting periodic reports
- Weekly exams
- Monthly and final exams

Learning and teaching resources

Required textbooks (methodology, if any)	
Main references (sources)	1-University Physics Volume 1 Senior Contributing Authors Samuel J. Ling, Truman State University Jeff Sunny, Loyola Marymount University William Moebs, PhD 2-Physics Laboratory Experiments 8ed 3-Experiments and Demonstrations in Physics; Bar-Ilan Physics Laboratory 2nd Ed - Yaakov Korfmacher
Recommended supporting books and references (scientific journals, reports....)	1-A Student's Guide to Maxwell's Equations - D. Fleisch 2-Fundamentals Of Physics I; Mechanics, Relativity, And Thermodynamics - Ramamurti Shankar (2019)
Electronic references, Internet sites	

Course description form

Course Name
Human rights and democracy
Course Code
Semester/year
year
Date this description was prepared
21-2-2024
Available forms of attendance
Number of study hours (total)/number of units (total)
2\2
Name of the course administrator (if more than one name is mentioned)
Name: Asst . Lecturer. . Hussein Majeed Salman Emali:

Course objectives	
Objectives of the study subject	The student learns about the historical development of human rights, the role of international organizations in ensuring the protection and respect of human rights, the principles of democracy and their impact on third world countries , and the types of freedoms .

Teaching and learning strategies	
The strategy	Sudden daily and continuous weekly tests Exercises and activities in the classroom Directing students to some websites to benefit from them

Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily exam And monthly	theoretical lecture	The concept of human rights Definition of human rights Definition of right Definition of human	The concept of human rights: Definition of human rights Definition of right Definition of human	1	.1
Daily exam And monthly	theoretical lecture	The most basic characteristics of human rights	The most basic characteristics of human rights	1	.2
Daily exam And monthly	theoretical lecture	Types of human rights	Types of human rights	1	.3
Daily exam And monthly	theoretical lecture	Human rights categories	Human rights categories	1	.4
Daily exam And monthly	theoretical lecture	Human rights in ancient civilizations	Human rights in ancient civilizations	1	.5
Daily exam And monthly	theoretical lecture	Human rights in the Middle Ages	Human rights in the Middle Ages	1	.6
Daily exam And monthly	theoretical lecture	Human rights in Islam and divine religions	Human rights in Islam and divine religions	1	.7
Daily exam And monthly	theoretical lecture	Human rights in Renaissance societies	Human rights in Renaissance societies	1	.8
Daily exam And monthly	theoretical lecture	Human rights in modern times	Human rights in modern times	1	.9
Daily exam And monthly	theoretical lecture	Non-governmental organizations and human rights	Non-governmental organizations and human rights	1	.10
Daily exam And monthly	theoretical lecture	Guarantees of respect and protection of human rights	Guarantees of respect and protection of human rights	1	.11
Daily exam And monthly	theoretical lecture	Water and environmental awareness in Iraq	Water and environmental awareness in Iraq	1	.12
Daily exam	theoretical	Water and environmental awareness	Water and	1	.13

And monthly	lecture	in Iraq	environmental awareness in Iraq		
Daily exam And monthly	theoretical lecture	The concept of equality	The concept of equality	1	.14
Daily exam And monthly	theoretical lecture	Human rights in modern times	Human rights in modern times	1	.15

Course evaluation
Evaluating students through daily and monthly examinations Participate in the lecture General questions and discussion

Learning and teaching resources	
Lectures on human rights and democracy	Required textbooks (methodology, if any)
All books that talk about human rights and democracy	Main references (sources)
	Recommended supporting books and references (scientific journals, reports....)
	Electronic references, Internet sites

Course description form

Course name
English
Course Code
Semester/year
year
Date this description was prepared
2024-20-2
Available forms of attendance
Number of study hours (total)/number of units (total)
3\3
Name of the course administrator (if more than one name is mentioned) .2
Name :- Asst. Lecturer. Niran .Fadel Muhammad Emali:-
Course objectives

Objectives of the study subject	Make the student able to absorb, understand and memorize medical terminology and scientific and linguistic concepts to be conversant in his field of specialization in the English language. The student learns some important linguistic rules in the educational, professional and social fields.
Teaching and learning strategies	
The strategy	Using some important grammatical phrases to form some class discussions within the students specialization.

Course structure .3

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly exam	theoretical lecture	simple present, Simple past, Present continues	Tenses (past and present)	**3**	1,2
Daily and monthly exam	theoretical lecture	Question Words (what, where, why,…..)	Question tools	**3**	3
Daily and monthly exam	theoretical lecture	Cardinal numbers/countries/arrange letters	The original numbers	**3**	4,5
Daily and monthly exam	theoretical lecture	Medical terminology/language of medicine/	Medical terminology and medical language	**3**	6
Daily and monthly exam	theoretical lecture	Possession, pronunciation(s)/ Pronouns all types	Possessive possession, its pronunciation, and types of pronouns	**3**	7
Daily and monthly exam	theoretical lecture	Spelling of medicine terms	Writing medical papers	**3**	8,9
Daily and monthly exam	theoretical lecture	Suffixes, Prefixes, root	Additions and root words	**3**	10
Daily and monthly exam	theoretical lecture	Body structure, Planes of the body	Body composition	**3**	11,12
Daily and monthly exam	theoretical lecture	Orientation and direction terms	Directions and directions	**3**	13
Daily and monthly exam	theoretical lecture	Body Position	Body position	**3**	14
Daily and monthly exam	theoretical lecture	Body Activities	Body activities	**3**	15

Course evaluation
Monthly and final exams, in addition to evaluating oral dialogue between students Active attendance and daily participation
Learning and teaching resources

Required textbooks (methodology, if any)	Headway Plus/Beginners New Student Book
Main references (sources)	Headway Plus/Beginners New Key Words Book

Recommended supporting books and references (scientific journals, reports....)	Short Course of Medical terminology (Some Medical Terminology **)**
Electronic references, Internet sites	-

Course description form

Course name
Computer principles
Course code
. Semester/Year
year
Date this description was prepared
2024-20-2
Available forms of attendance
Number of study hours (total)/number of units (total)
2\3
Name of the course administrator (if more than one name is mentioned
Name :- Asst . Lecturer . Wsanaa Nofal Abdel Ali +Asst . Lecturer .+ Manal Musa Abdel-Yama Asst . Lecturer .Hoda Ahmed Jameel Emali :manal.musa@alzahraa.edu.iq Huda.ahmed@alzahraa.edu.iq
Course objectives

Objectives of the study subject	Providing the student with knowledge in managing and using various computer applications.
Teaching and learning strategies	
The strategy	The theoretical and explanation method is by presenting the material on the program, including وPowerPoint , in the form of diagrams and pictures, in order to attract the student's attention and help him not feel bored. The practical method is to apply what was presented on the calculator and conduct daily and monthly exams.

Course structure .4

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly exam	theoretical and particle lecture	Computer Fundamentals Computer concept, phases of the computer life cycle The development of computer generations	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	1
Daily and monthly exam	theoretical and particle lecture	Computer advantages and areas of use. Computer classification in terms of purpose, size and type of data	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	2
Daily and monthly exam	theoretical and particle lecture	Computer's components Computer Components Computer components, physical parts of the computer, software entities	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	3
Daily and monthly exam	theoretical and particle lecture	Your personal computer, the concept of computer security and software licenses	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	4
Daily and monthly exam	theoretical and particle lecture	Computer security and software licenses Computer Safety & Software Licenses	The student's knowledge of the scientific subject and awareness of scientific, mental, and	3	5

			professional skills		
Daily and monthly exam	theoretical and particle lecture	Ethics of the electronic world, forms of abuse, computer security, computer privacy	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	6
Daily and monthly exam	theoretical and particle lecture	Computer software licenses and their types, intellectual property, electronic hacking, malware, the most important Necessary steps to protect against hacking operations, computer harm to health	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	7
Daily and monthly exam	theoretical and particle lecture	Organized Operating Systems Definition of operating system, functions, goals, classification and examples For some operating systems	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	8
Daily and monthly exam	theoretical and particle lecture	Operating Systems Windows operating system	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	9
Daily and monthly exam	theoretical and particle lecture	Desktop components Start menu taskbar	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	10
Daily and monthly exam	theoretical and particle lecture	Folders and files Icons	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	11
Daily and monthly exam	theoretical and particle lecture	Performing operations on windows desktop backgrounds	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	12
Daily and monthly exam	theoretical and particle lecture	Control Panel Windows Control Panel Groups (Category (	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	13
Daily and monthly exam	theoretical and particle lecture	From the control panel Defragment organizing files inside the computer, installing and deleting programs	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	14
Daily and monthly exam	theoretical and particle lecture	Some common computer conditions and settings, managing the printer, setting time and date, maintaining disks Primary	The student's knowledge of the scientific subject and awareness of scientific, mental, and professional skills	3	15
Course evaluation					
Monthly and final exams, in addition to evaluating oral dialogue between students Active attendance and daily participation					

Learning and teaching resources	
Required textbooks (methodology, if any)	Computer basics and office applications
Main references (sources)	Yusr Al-Mustafa Science Series “Basics of Computer and Internet Office 2010, Dr. Ziyad Muhammad Abboud, Dar Al-Doctor for Publishing and Distribution, Baghdad 2013
Recommended supporting books and references (scientific journals, reports....)	1-Computer literacy BASICS 2012, LeBlanc, Brandon. "Alcoser look at the, windows 7. 2009 .2-Computing Fundamentals, Innovative training works USA, Inc, 2006
Electronic references, Internet sites	https://www.agitraining.com/books/microsoft-officebooks/word-2010-digital-classroom-book

Course name