



College of Science for Women

2010



Prof. Dr. Abdul Karim K. AL-Bermani
Dean

Lecturer Dr. Sami Abd AL-Hussian Hattif
Vice-Dean for Academic Affairs

Assist. Prof. Enas Mohammed AL-Robayi
Vice-Dean for Administrative Affairs

Mr. Latif Majeed AL-Jboori
Responsible of Registration Office

Introduction:

The college was established in 2002. It aims to qualify the scientific educational sample as part of other colleges sphere. It also aims to graduate technical staff specialized in computer, biology, physics, laser, and chemistry where the graduate students will acquire skills and become experts in both sides of knowledge theoretically and practically.

Objectives:

We must deal with openness and interaction with society institutions in application and practice the production process and services to make economic and social development, and the effectiveness of this college is in the fields of scientific work in the community and upgrades the city's cultural contribution as a centre of cultural and scientific radiation. It founds a place in crystallizing potential scientific and research through qualifying elements eligible for the life of the scientific process applied in various fields of medical, industrial, educational and social practice and the possibility of the production process. Now that this college has its future aims as follows :



- 1) The primary goal is to qualify teaching cadres in various disciplines to be the delivery of scientific tools to upgrade the level of creativity.
- 2) Rehabilitation of the graduate students' practical skills to apply in fields of employment.
- 3) Preparation tables to engage in postgraduate studies to help solve the scientific and technical dilemmas.
- 4) Starting courses of undergraduate studies at evening time. This will give wide chances to those whom like to study and get university knowledge according to their special circumstances.
- 5) To develop modern scientific methods of teaching through using inputs, such as new communications via the Internet and applications of laser.
- 6) To disseminate scientific cultural awareness among students through the application that diagnosed in other circles for the completion of their undergraduate research.
- 7) the scientific curriculum development coincides with the evolution of other colleges in constant interaction between the colleges and institutions to disseminate awareness of cultural and social means by different scientific seminars, exhibitions of books and lectures by lecturers from inside and outside university.
- 8) Strengthen the role of Iraqi women through research and application of all scientific activities.

College Departments:

- A. Department of Biology.
- B. Department of Physics.
- C. Department of Computer Science.
- D. Department of Chemistry.

TEACHING STAFF

Department of Biology.



NO	Name	Academic title	Qualification	Specialization	Specific specialization
1	PrAbdul-Karim K.AL-Bermani	Prof.	Ph.D	Botany	Plant Taxonomy & Cytogenetics
2	Ghanim Abbood Jaber	Prof.	Ph.D	Veterinary Medicine	Virology
3	Hadi,MAL-Rubaei.	Prof.	Ph.D	Zoology	Insect Ecology
4	Sa'adi Mohammad	Assist. Prof.	Ph.D	Agricultural science	Biological Control
5	Zaidan Kalif Amran	Assist. Prof.	Ph.D	Micro Biology	Fungi
6	Nedaa shehad hammed	Assist. Prof.	Ph.D	Micro Biology	Fungi
7	Abdalnai Jwaied Abid	Assist. Prof.	Ph.D	Micro Biology	Immunology
8	Noran Gameel Ebraheem	Lecturer	Ph.D	Zoology	Animal Physiology
9	Dakhel Ghani Omran	Lecturer	Ph.D	Zoology	Animal Physiology
10	Salah Ali Eadan	Lecturer	Ph.D	Agricultural Science	Field Croups
11	Aber Fwzi Murad	Lecturer	Ph.D	Micro Biology	Fungal Toxins
12	Rajaa Abd Al-Razak	Assist. Prof.	M.Sc.	Micro Biology	Fungi
13	Rafah Hadi lateef	Lecturer	M.Sc.	Veterinary Medicine	Histology & Embryology
14	Senan A.Al-Mashta	Lecturer	M.Sc.	Micro Biology	Immunology & Bacteriology

15	Ekhlas Mohammad Hussan	Assist. Lecturer	M.Sc.	Zoology	Entomology
16	Esra'a Adnan Ebrahim	Assist. Lecturer	M.Sc	Micro Biology	Genetic Engineering
17	Aseel Mohammad Omran	Assist. Lecturer	M.Sc	Botany	Plant physiology
18	Batool Ebrahim Hussan	Assist. Lecturer	M.Sc	Zoology	Animal physiology
19	Genan Mohammad Uaid	Assist. Lecturer	M.Sc	Zoology	Entomology
20	Hasanean Kalel Ebrahim	Lecturer	M.Sc	Micro Biology	Fungi
21	Hussein Jaber Hussein	Assist. Lecturer	M.Sc	Botany	Plant Physiology
22	Hawraa Whab Azize	Assist. Lecturer	M.Sc	Micro Biology	Food Microbiology
23	Raed Abas Kadum	Lecturer	M.Sc	Zoology	Parasitology
24	Zainab Kuder Ahmed	Assist. Lecturer	M.Sc	Micro Biology	Immunology
25	Shaima Ahmed Ibrahim	Assist. Lecturer	M.Sc	Zoology	Animal Physiology
26	Saleh Abid Almahdi kadem	Assist. Lecturer	M.Sc	Micro Biology	Pathogenic Bacteria
27	Kawther Mohammad Ali	Lecturer	M.Sc	Micro Biology	Fungi
28	Oruba Kutoof Husain	Assist. Lecturer	M.Sc	Micro Biology	Immunology
29	Ali Husain Mohammad	Assist. Lecturer	M.Sc	Micro Biology	Virology
30	Ali Kadhim Eidan	Assist. Lecturer	M.Sc	Micro Biology	Cellular Genetic
31	Ali Malik Saad AL-Kafaji	Lecturer	M.Sc	Micro Biology	Immunology
32	Ala'a Salman Mahdi	Assist. Lecturer	M.Sc	Ecology	Ecology & Pollution
33	Imad Hadi Hadi Hameed - Taie	Lecturer	M.Sc	Microbiology	Virology
34	Amar Abas Sha'alan	Assist. Lecturer	M.Sc	Microbiology	Pathogenic Bacteria
35	Fatima Moeen Abas	Lecturer	M.Sc	Microbiology	Fungi
36	Kasim Mohammed Ali	Assist. Lecturer	M.Sc	Zoology	Reproductive Physiology
37	Kasar Na'ama Madhlom	Assist. Lecturer	M.Sc	Microbiology	Laser Application
38	Mohammad Baker Saheb	Assist. Lecturer	M.Sc	Microbiology	Biotechnology
39	May Hameed Mohammad	Assist. Lecturer	M.Sc	Ecology	Ecology & Pollution
40	Mohand Abd Alhasan	Assist. Lecturer	M.Sc	Botany	Biotechnology
41	Huda Jasim Mohammd	Lecturer	M.Sc	Botany	Plant Anatomy & Taxonomy
42	Asma'a Hashem Humadi	Assist. Lecturer	M.Sc	chemistry	Physical Chemistry
43	Amer Jasem Salman	Assist. Lecturer	M.Sc	Geology	Petrol
44	Nadia Mahmood Tofeek	Assist. Lecturer	M.Sc	Ecology	Ecology & Pollution
45	Manar Mohammed Hasan	Assist. Lecturer	M.Sc	Zoology	Animal Physiology
46	Shaima obaid Abdullah	Assist. Lecturer	M.Sc	Zoology	Animal Physiology

No.	Name	Academic Title	Qualification	General Specific	Physics: Specific Specification
1	Ghalib Abd-Alwahab Ali Al-Dahash	Assist Prof.	Ph.D	Physics	Solid State
2	Faysal Ali AL-Bassam	Assist Prof.	Ph.D	Physics	Solid State
3	Lazim Hassan Abbod	Assist Prof.	Ph.D	Physics	Molecular
4	Enas Mohammad Salman	Assist Prof.	Ph.D	Physics	Quantum
5	Sami Abd AL-Hussian Hattif	Lecturer	Ph.D	Physics	Laser
6	Jassim Mohamma Jassim	Lecturer	Ph.D	Engineering	Laser
7	Reyad Najee Ali	Lecturer	Ph.D	Physics	Optics
8	Wajeeha Abd-Aldayim	Lecturer	Ph.D	Physics	Optics
9	Mohammed Hussian Alwaan	Lecturer	Ph.D	media	Media
10	Sadik Hassan Laffta	Lecturer	M.Sc.	Physics	Theoretical Physics
11	Bassim Abd Al-Lateef Galib	Lecturer	M.Sc.	Physics	Optics
12	Gabbar Hussian Ibraheem	Lecturer	M.Sc.	Physics	Theoretical Physics
13	Qussyai Mohammed Selman	Assist. Lecturer	M.Sc.	Physics	Laser
14	Amer kudair Hussian	Lecturer	M.Sc.	Physics	Image Processing
15	Rae'd Majeed Sahib	Assist. Lecturer	M.Sc.	Physics	laser
16	Nazar Salim Shnan	Assist. Lecturer	M.Sc.	Physics	Remount Sensing
17	Mohammed Hamza Kidair	Lecturer	M.Sc.	Physics	Laser
18	Alaa Jwaad Kadim	Assist. Lecturer	M.Sc.	Physics	Solid State
19	Jenan Ali Abd	Assist. Lecturer	M.Sc.	Physics	Solid State
20	Lamees Abdul-Kareem Abdulah	Lecturer	M.Sc.	Physics	Optics
21	Saif Mohammed Hassan	Assist. Lecturer	M.Sc.	Physics	Solid State
22	Salih Ali Hussian	Assist. Lecturer	M.Sc.	Engineering	Electronics
23	Mowafiq Abo-Komra	Assist. Lecturer	M.Sc.	Physics	Solid State
24	Zihrraa Jassim Mohammed	Assist. Lecturer	M.Sc.	Physics	Medical Application of Laser
25	Mohammed Jiwad Jader	Assist. Lecturer	M.Sc.	Physics	Plasma
26	Yezie Kadim Mahdi	Assist.Prof	M.Sc.	Mathematics	Numerical Analysis

Department of Computer Science:

No.	Name	Academic title	Qualification	Specialization	Specific Specialization
1	Husein Attia Lefta	Assist. Prof	Ph.D	Computer science	Computer Science
2	Saad Abid Madi	Assist. Prof	Ph.D	Mathematics	Statistics
3	Mohammed Abud Alla Nasir	Lecturer	Ph.D	Computer Science	Security
4	Sahar Adil Khadum	Lecturer	Ph.D	Computer Science	E-Commerce
5	Kudair Abaas Husein	Assist. Prof	M.Sc.	Computer Science	-
6	Ali Kadhum Idrees Hasson	Lecturer	M.Sc.	Computer Science	-
7	Suhad Ahmed Ali	Lecturer	M.Sc.	Computer Science	-
8	Israa Hadi Ubed	Lecturer	M.Sc.	Computer Science	-
9	Faaz Ali Rashid	Lecturer	M.Sc.	Mathematics	-
10	Salah Mahdi Saleh	Assist. Lecturer	M.Sc.	Computer Science	-
11	Ahmed Badri Muslim	Assist. Lecturer	M.Sc.	Computer Science	-
12	Mahdi Abd Salman Mahdi	Lecturer	M.Sc.	Computer Science	-
13	Muhammed A. Mahdi	Lecturer	M.Sc.	Computer Science	-
14	Ali Yakoob Yousif	Assist. Lecturer	M.Sc.	Computer Science	-
15	Ahmed Muhammad Shehab	Assist. Lecturer	M.Sc.	Computer Science	-
16	Saif Mahmoud Kalaf	Assist. Lecturer	M.Sc.	Computer Science	-
17	Samah Abid Alhadi	Assist. Lecturer	M.Sc.	Mathematics	Mathematics
18	Sukaina Abid Alla	Assist. Lecturer	M.Sc.	Mathematics	Mathematics



Department of Chemistry:

No.	The Name	Academic Title	Qualification	Specialization	Specific Specialization
1	Mohammed Hashim Matloob	Assist. Prof	Ph.D	Physical Chemistry	Surface and Solid State Chemistry
2	Modhir Nabat AbidAli	Assist. Prof	Ph.D	Bio Chemistry	Food Chemistry
3	Muhammed A.R. Ismail	Lecturer	Ph.D	Bio Chemistry	Clinical- Biochemistry
4	Asim Alaa AbdulHussein	Lecturer	M.Sc	Chemistry	Organic Chemistry
5	Ayad Fadhl Mohammed	Lecturer	M.Sc	Chemistry	Physical Chemistry
6	Hussain Karim Sadiq Abdul	Assist. Lecturer	M.Sc	Chemistry	Polymer Chemistry
7	Mohammed Basim H.mahmood	Assist. Lecturer	M.Sc	Chemistry	Analytical Chemisrty
8	Fouad ..F..M Hussian	Assist. Lecturer	M.Sc	Chemistry	Physical Chemistry
9	Hazim Yahya Mohammed Ali	Assist. Lecturer	M.Sc	Chemistry	Physical Chemistry
10	Suaad Taha Saad	Assist. Lecturer	M.Sc	Chemistry	Inorganic Chemistry
11	Ban Mohammed Husuin Ali	Assist. Lecturer	M.Sc	Chemistry	Bio Chemistry



Courses of Undergraduate Studies:

Department of Biology

First Year

Subject	Hours		Unit
	Theoretic al	Practical	
General Biology	2	8	8
Geology	2	6	6
Computer Application	2	6	6
Mathematic and Biostatistics	2	6	6
Physics	2	4	4
Chemistry	2	6	6
Human Rights	2	4	4

Second Year

Subject	Hours		Unit
	Theoretic al	Practical	
Plant Anatomy & Taxonomy	2	2	6
General Microbiology	2	2	6
Entomology	2	2	6
Plant Groups	2	2	3
Invertebrate & Parasitology	3	2	8
Democracy	2	0	2
Biochemistry	2	2	6

Third Year

Subject	Hours		Unit
	Theoretical	Practical	
Animal Physiology & Histology	2	2	6
Ecology & Pollution	2	2	6
Cell Biology & General Genetic	2	2	6
Sewage & Soil Microbiology	2	2	6
Immunology	2	2	3
Microbial Physiology	2	2	3
Plant Physiology	2	2	3
Pathogenic Diagnosis	2	2	3
Hematology	2	2	3

Fourth Year

Subject	Hours		Unit
	Theoretical	Practical	
Fungi & Fungi Taxonomy	-	2	2
Food & Industrial	-	2	2
Pathogenic Bacteria & Virology	-	2	2
Molecular Biology & Microbial Genetic	-	2	2
Biotechnology & Genetic Engineering	2	2	3
Comparative Chordate Anatomy	2	2	3
Antibiotics	2	2	3
Project	2	2	2
Biodiversity	2	2	3
Medical Plant	2	2	3
Medical Entomology	2	2	3

Courses of Postgraduate Studies

M..Sc Courses

First Year

Subjects	Hours		Units
	Theoretical	Practical	
Plant Biosystematics	2	3	3
Advanced Plant Ecology	2	3	3
Periodical	1	-	1
Advanced Biostatistics	2	-	2
Zoological Biosystematics	2	-	2
English Course	2	-	2
Advance Biochemistry	2	3	3
Advance Molecular Biology	2	-	2
Advance Animal Ecology	2	3	3
Advance Virology	2	3	3
Bacteria Phage & Microphage	2	3	3
Medical Arthropods	2	3	3
Advance Histology	2	3	3
Advance Immunology	2	3	3
Advance Microbial Physiology	2	3	3
Insect Physiology	2	3	3
Fungal Taxonomy	2	3	3
Plant Cytogenetics	2	3	3
Advanced Plant Taxonomy	2	3	3
Advanced Plant Anatomy	2	-	2
Seminar	-	1	1
Insect Pheromones	2	3	3
Chemical Ecology	2	3	3
Fungal Disease	2	3	3

Second Year

The Scholar has to submit a research project with a dissertation.



Department of Computer Science

First Year

Subject	Hours		Discussion	Units No.
	Theo.	Pract.		
Structured Programming	3	2	1	8
Mathematics	3	-	1	6
Discrete Structure	3	-	1	6
Computer Organization and Techniques	2	2	-	6
Logic Design for Computer	3	2	1	8
Human Rights	2	-	-	4

Second Year

Subject	Hours		Discussion	Units No.
	Theo.	Pract.		
Advanced Mathematics & Numerical Methods	3	2	1	8
Microprocessor and Assembly Language	2	2	1	6
System Analysis and Database Design	2	2	1	6
Data Structure and Algorithm	2	2	1	6
Computational Theory	3	-	1	6
Object Oriented Programming	2	2	1	6
Freedom and Democracy	2	-	-	4

Third Year

Subject	Hours		Discussion	Units No.
	Theo.	Pract.		
Software Engineering	2	-	1	4
Compilers	2	2	-	6
Computer Graphics	2	2	1	6
Computer Architecture	3	-	1	6
Artificial Intelligence	2	2	1	6
Algorithm Design and Analysis	2	2	1	6
Statistics and Operation Research	3	-	1	6

Fourth Year

Subject	Hours		Discussion	Units No.
	Theo.	Pract.		
Computer and Data Security	2	2	1	6
Communication and Computer Network	2	2	1	6
Operating Systems	2	2	1	6
Project	1	4	-	6
Advanced Intelligent Applications	2	2	-	6
Image Processing	2	2	1	6
Data Compression	2	-	1	4

Department of Physics

First Year

No.	Subject	Hours		Units
		Pract.	Theor.	
1	Electricity and Magnetism	2	2	6
2	Mechanics and Material Properties	2	2	6
3	Electrical Measurements	2	2	6
4	Principle of Laser	-	3	6
5	Computer Applications1	2	1	4
6	Mathematics1	-	3	6
7	Human Rights	-	2	4
	Sum	8	15	38

Second Year

No.	Subject	Hours		Units
		Pract.	Theor.	
1	Modern Physics	2	2	6
2	Thermodynamics and Statistics	-	2	4
3	Principle of Lights	2	2	6
4	Laser Physics	2	3	8
5	Computers Applications2	2	1	4
6	Mathematics2	-	3	6
7	Freedom and Democracy	-	2	4
	Sum	8	15	38

Third Year

No.	Subject	Hours		Units
		Pract.	Theor.	
1	Laser technical	2	2	6
2	Physical Optics	2	2	6
3	Electromagnetism	-	2	4
4	Quantum Mechanics	-	2	4
5	Mathematics and Modeling	2	2	6
6	Analogue Electronics	2	2	6
7	Remote Sensing	-	2	4
	Sum	8	14	36

Fourth Year

No.	Subject	Hours		Units
		Pract.	Theor.	
1	Design and Application of Laser	2	2	6
	Plasma	-	2	4
2	Physics	2	2	6
3	Semiconductor Devices	-	2	4
4	Detectors and Spectroscopy	2	2	6
5	Digital Electronics	2	2	6
6	Research Project	-	2	4
7	Scientific Research	-	1	2
	Sum	8	15	38

Department of Chemistry

First Year

No.	Subjects	Hours		Units
		Theo.	Pract.	
1	Analytical Chemistry	2	3	7
2	Inorganic Chemistry	3	-	6
3	Geology	2	2	6
4	Physics	2	2	6
5	Mathematics	2	-	4
6	Computer Science	2	2	6
7	Human Right	2	-	4

Second Year

No.	Subjects	Hours		Units
		Theo.	Pract.	
1	Analytical Chemistry (Gravimetric Analysis)	2	3	7
2	Inorganic Chemistry	3	3	9
3	Organic Chemistry	3	3	9
4	Physical Chemistry (Thermodynamics)	3	3	9
5	Mathematics	3	-	6
6	Democracy	2	-	4

Third Year

No.	Subjects	Hours		Units
		Theo.	Pract.	
1	Inorganic Chemistry	3	3	9
2	Organic Chemistry	3	3	9
3	Physical Chemistry (Electrochemistry and Chemical Kinetics)	3	3	9
4	Biochemistry	2	3	7
5	Industrial Chemistry	2	-	4
6	Organometallic Chemistry (Optional Course)	2	-	2
7	Natural Products (Optional Course)	2	-	2

Fourth Year

No.	Subjects	Hours		Units
		Theo.	Pract.	
1	Instrumental Chemistry	3	3	9
2	Organic Identification	1	3	5
3	Physical Chemistry (Quantum Chemistry and Spectroscopy)	3	-	6
4	Clinical Biochemistry	2	3	7
5	Industrial Chemistry	2	3	7
6	Nuclear Chemistry (Optional Course)	2	-	2
7	Photochemistry (Optional Course)	2	-	2
	Research Project	-	2	2
	Philosophy of Science	1	-	2