

# COLLEGE OF EDUCATION IBN HAYYAAN



2010

## **Deanery**

Assist. Prof. Dr. Luay Abd Al-Haine Al-Swidi  
Dean

Mr. Asaad Mohammed Ali Al-Hosaini  
Vice-Dean for Academic Affairs

Mr. Ahmed Abed Ali AL-Mamory  
Responsible of Registration Office

## College of Education/Ibn Hayan

The college of education/ Ibn Hayan was established in 1994. It seeks to replicate the well-accredited Iraq and Arabic universities to qualify teachers for different educational stages. Recently it contains two departments: Department of Mathematics and Department of Physics.

### Future Vision

1. Making a quantitative and qualitative educational and knowledgeable development.
2. Contributing toward solving worldwide education problems.
3. Adopting the latest educational techniques to qualify future teachers who shoulder the responsibilities of raising promising generations.
4. Focusing on specializations required for lab our markets and creating competitive abilities.
5. Pioneering academic and scientific researchers through supporting labs and educational centers.

### Objectives

1. Preparing students to teach scientific streams at high schools.
2. Enriching the academic research within its staff members.
3. Developing educational thought and fostering educational philosophy according latest scientific developments.
4. Sustaining cooperation between the College and other state institutions .
5. Focusing on the system of lifelong education through establishing an advisory office and holding quantitative sessions and exams.



## •TEACHING STAFF

### Department of Mathematics

No.	Name	Academic Title	Qualification	Specification	Specific Specialization
1	Luay Abd-Alhani Jabbar Al-Swidi	Assist. Prof.	Ph.D.	Maths.	General Topology
2	Hayder Jabbar Abood Al-Dabbagh	Assist. Prof	Ph.D.	Maths.	Differential Equation
3	Kareema Abd-Al-Kadhim Mikhrib	Assist. Prof.	Ph.D.	Time Series	Mathematical Statistics in Time Series
4	Eman Samir Abd Ali	Assist. Prof.	Ph.D.	Maths.	Functional Analysis
5	Husanin Ahmed Ali Jan	Assist. Prof.	M.Sc.	Statistics	Probability
6	Lftichar Mudher Talb	Assist. Prof.	Ph.D.	Math	Dynamical Systems
7	Tefool Hussein Omran	Lecturer	Ph.D.	Computer Science	Genetic Algorithms
8	Sahar Muhsen Jabbar Al-Gazzawi	Assist. Prof.	M.Sc.	Maths.	Differential Equation
9	Ali Younis Shaker	Lecturer	M.Sc.	Theo biology	Theo Biology
10	Hassan Shaheed Al-khafaji	Lecturer	M.Sc.	Maths.	Algebra
11	Asaad Mohammed Ali	Assist Prof	M.Sc.	Maths.	Algebraic Topology
12	Asma' Shaker Ashour Al-Zeidi	Assist. Lecturer	M.Sc.	Computer	Security Computers /Work Systems
13	Najla' Abid Hamza Mihsin Al-Mayahi	Assist. Lecturer	M.Sc.	Computer Science	Computer
14	Bushra Hussien Al Wawi	Assist. Lecturer	M.Sc.	Maths.	Optical Networks
15	Amera Abd Alwahid Finjan	Assist. Lecturer	M.Sc.	Computer	Computer
16	Ruma Kareem Kuder	Assist. Lecturer	M.Sc.	Maths	Cryptography
17	Nada Mohammad Abbas	Assist. Lecturer	M.Sc.	Function Maths.	Functional Analysis
18	Ahmed Abed Ali Omran	Assist. Lecturer	M.Sc.	Function Maths.	Abstract Algebra

### Department of Mathematics Evening Studies

No.	Name	Academic Title	Qualification	Specification	Specific Specialization
1	Mushtak A.K. Shiker	Lecturer	M.Sc.	Maths	Statistics
2	Hesenein Qassam Zeidan	Assist. Lecturer	M.Sc.	Maths	Dynamical Systems
3	Hamza Farhood Al-Jinan	Lecturer	M.Sc.	Maths	Mathematical Statistics
4	Zahir Dobeas Azawe	Lecturer	M.Sc.	Maths	General Top
5	Rawasy Adnan Hammeid Rasheid Al-Musarhad	Assist. Lecturer	M.Sc.	Maths	Mathematical Statistics
6	Wameed Mohammad Ayal	Assist. Lecturer	M.Sc.	Maths	Algebraic Top
7	Lamis Hamood Muhaissn	Assist. Lecturer	M.Sc.	Computer Science	Secure Information
8	Enas Hamood Muhaissn	Assist. Lecturer	M.Sc.	Computer Science	Secure Information
9	Azal Ja'far Moosa	Assist. Lecturer	M.Sc.	Maths	Statistics
10	Kawther Fawzi Hamza	Assist. Lecturer	M.Sc.	Maths	Statistics
11	Zahir Abd Al-Hadi Hassan	Assist. Lecturer	M.Sc.	Maths	Applied Mathematics
12	Khalid Fanouk Abu Kader	Assist. Lecturer	M.Sc.	Maths	Probability
13	Ameer Abd Al-Hain Jabbar	Assist. Lecturer	M.Sc.	Maths	Mathematics
14	Ahamed Sabah Ahmed Al-Jlawi	Lecturer	M.Sc.	Maths	
15	Shaima'a Shaker Jumaa	Assist. Lecturer	M.Sc.	Methods of Teaching	Method's of Teaching Mathematics

## Department of Mathematics

### First Year

Subjects	Units	Hours			
		Disc.	Prac.	Theo.	Total
Calculus	2	-	3	5	8
Foundation of Mathematics	2	-	2	4	6
Linear Algebra	2	-	2	4	6
Computer Science	-	2	1	3	4
Theoretical Physics	-	-	2	2	4
Psychology	-	-	2	2	4
Bases of Education	-	-	2	2	4
Human Rights	-	-	2	2	4
1. Arabic Language	-	-	2	2	4
2. English Language	4	-	-	2	2
<b>Total</b>	<b>6</b>	<b>2</b>	<b>18</b>	<b>26</b>	<b>44</b>

### Second Year

Subjects	Units	Hours			
		Disc.	Prac.	Theo.	Total
Geometry	6	2	-	2	4
Theory Group	5	1	-	2	3
Ordinary differential equation	6	2	-	2	4
Advanced Calculus	8	2	-	3	5
Research Paper	4	-	2	2	2
Computer	6	-	2	1	3
1- Administration & Monitoring	4	-	-	2	2
2- Psychology	4	-	-	2	2
Liberty & Democracy	4	-	-	2	2

### Third Year

Subjects	Units	Hours			
		Disc.	Prac.	Theo.	Total
Real Analysis	6	2	-	2	4
Statistics and Probability	6	2	-	2	4
Partial Differential Equations	5	1	-	2	3
Ring Theory	6	2	-	2	4
Numerical Analysis	6	-	2	2	4
Computer Applications					
Curricula & Methods of Teaching	4	-	-	2	2
<b>Total</b>	<b>37</b>	<b>7</b>	<b>4</b>	<b>13</b>	<b>24</b>

### Fourth Year

Subjects	Units	Hours			
		Disc.	Prac.	Theo.	Total
Topology	6	2	-	2	4
Complex Analysis	6	2	-	2	4
Mathematical Statistics	6	2	-	2	4
Research Project	4	2	-	2	2
Optional (1)	6	2	-	2	4
Optional (2)	6	2	-	2	4
Measurement & Evaluation	4		-	2	2
Watching & Application	4		2	1	3
<b>Total</b>	<b>42</b>	<b>12</b>	<b>2</b>	<b>15</b>	<b>29</b>

#### Department of Mathematics Postgraduate Studies in General Mathematics First Year 1<sup>st</sup> Term

No.	Subjects	Units
1	Dynamical System	3
2	Measure Theory	3
3	Mathematical Statistics	3
4	English Language	2
5	Number Theory	3
6	Multivariable Analysis	3

Second Year: The scholar should submit a dissertation project at the end of this year. This dissertation should be discussed and evaluated by three external professors who are invited and called up by the Vice Chancellor For academic affairs.

#### Department Mathematics - M.Sc. -General Mathematics First Year 2<sup>nd</sup> Term

No.	Subjects	Units
1	Functional Analysis	3
2	Topological Dynamics	2
3	English Course	2
4	Methods of Teaching Mathematics	2
5	Ranking and Selection	2
6	Modules Theory	2
7	Cryptography	2
8	Advanced Probability	2
9	Representation Algebra	2

## Department of Physics

No.	Teacher 's name	Academic Title	Qualification	Specification	Specific Specialization
1	Bahaa Hussein Salih Rabee	Assist. Prof.	Ph. D.	Physics	Nuclear and Matter
2	Khalid Hassan AL- AMMAR	Assist. Prof.	Ph. D.	Physics	Optics
3	Fuad Shaker Hashim	Assist. Prof.	Ph. D.	Physics	Physics
4	Majeed Ali Hapeep	Lecturer	Ph. D.	Physics	Physics
5	Talib Mohsen Abbas	Lecturer	Ph. D.	Physics	Electron optics
6	Khalid Salih Jassim Al- Jumaili	Lecturer	Ph. D.	Physics	Theoretical Nuclear Physics
7	Fuad Aatia Majeed	Lecturer	Ph. D.	Physics	Theoretical Nuclear Physics
8	Shurooq Sabah Abed AL-Abbas	Lecturer	M. Sc.	Physics	Physics
9	Shiamaa Haddi kodier	Lecturer	M. Sc.	Physics	Material Science
10	Muhanned Hussein AlWai	Lecturer	M. Sc.	Physics	Nuclear Physics
11	Khalid Haneen Abbas	Lecturer	M. Sc.	Physics	Nuclear Physics
12	Ehssan Dhiaa Jawad Al-Bermanny	Lecturer	M. Sc.	Physics	Material Science
13	Zaid Abdul Zahra Hassan	Assist. Lecturer	M. Sc.	Physics	Liner Optics
14	Hamad Rahman Jappor	Assist. Lecturer	M. Sc.	Physics	Physics
15	Ali Razzaq Abdul Ridha	Assist. Lecturer	M. Sc.	Physics	Material Science
16	Salaar Hussein Ibrahim	Assist. Lecturer	M. Sc.	Physics	Astronomy

## Department of Physics

### First Year

Subjects	Units	Hours		
		Pract.	Theo.	Total
Geology	2	-	2	2
Heat and Material Properties	4	-	2	2
Applied Mathematics	6	-	3	3
Classical Mechanics	7	2	3	5
Computer Application	4	2	2	4
Electricity and Magnetism 1	7	3	2	5

### Second Year

Subjects	Units	Hours		
		Pract.	Theo.	Total
Electricity and Magnetism 2	6	2	2	4
Sound and Wave Motion	4	-	2	2
Optics	7	2	3	5
Mathematical Physics	7	-	4	4
Computer Application	4	2	1	3
Astrophysics	4	-	2	2

### Third Year

Subjects	Units	Hours		
		Pract.	Theo.	Total
Complex Number	4	-	2	2
Analytical Mechanics	5	-	3	3
Atomic and Molecules Physics	7	2	3	5
Selective ( Plasma)	4	-	2	2
Selective ( Renewable Energy )	4	-	2	2
Analog Electronics	7	3	2	5
Thermodynamics	7	-	4	4

### Fourth Year

Subjects	Units	Hours		
		Pract.	Theo.	Total
Physics	5	-	3	3
Nuclear Physics	7	2	3	5
Electromagnetism	5	-	3	3
Laser	4	-	2	2
Quantum Mechanics	2	-	3	3
Illustration Devices	2	2	-	2
Graduation Research Paper	2	2	-	2