

Republic of Iraq  
Ministry of Higher Education & Scientific  
Research Supervision and Scientific  
Evaluation Directorate Quality Assurance  
and Academic Accreditation International  
Accreditation Dept.


## Academic Program Specification Form For The Academic

University: university of Basrah  
College : college of medicine  
Number Of Departments In The College  
Department pf pathology and forensic  
medicine

Date Of Form Completion : 2021/2022

  
Dean's Name

Date : / /

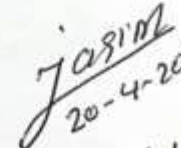
  
Dean's Assistant  
For Scientific  
Affairs

The College Quality  
Assurance And University  
Performance Manager

Date : / /

Signature

Quality Assurance And University Performance  
Manager Date : / /  
Signature

  
20-4-2022  
Jasim M Al-Diab  
Head of Dept.

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# TEMPLATE FOR PROGRAMME SPECIFICATION

## HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

### PROGRAMME SPECIFICATION

This Program Specification provides a concise summary of the main features of the program and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the program.

1. Teaching Institution	UNIVERSITY OF BASRAH
2. University Department/Centre	College of medicine , department of pathology and forensic medicine
3. Program Title	Academic program for third stage students
4. Title of Final Award	M.B.Ch.B
5. Modes of Attendance offered	Annual theoretical lectures and practical lessons
6. Accreditation	Iraqi Accreditation council for medical college in Iraq
7. Other external influences	Reciprocal visits with other universities
8. Date of production/revision of this specification	2021/2022
9. Aims of the Program	
1. To acquire knowledge about the pathological bases of diseases, so that the student will be able to understand the clinical aspects of diseases	
2. Diagram of the pathogenesis of pathogens	
3. Describe the clinical findings and possible complications of infection in different age groups	
4. Follow-up of the patient's condition through histopathological examinations and blood tests	
5. Understanding and applying general facts in the field of pathology for third grade students	
6. Correlation between pathological changes and disease manifestations	

7. Understand the role of pathologists as part of an integrated medical team responsible for diagnosing a medical condition, and determining the appropriate treatment.
8. Focus on common diseases in our society and cancer
9. Providing the ability to diagnose and treat toxic patients
10. The ability to diagnose cases of blood diseases with a focus on common diseases in our society and diseases of leukemia and lymph nodes

## 10. Learning Outcomes, Teaching, Learning and Assessment Methods

### A. Cognitive goals

- A1. Strengthening the knowledge base of pathology and forensic medicine by developing and encouraging scientific research.
- A2. Enhancing distinguished programs of laboratory services to serve the community and encourage environmental development.
- A3. Knowing the types of diseases and the importance of diagnosing them accurately
- A4. Identify the types of laboratory tests in the field of histology and hematology
- A5. Adhere to the diagnostic criteria of the disease
- A6. Following up diseases and diagnosing cases of disease progression through laboratory analyzes

### B. The skills goals special to the programme .

- B1. Proper methods of collecting blood samples
- B2. How to preserve the tissue examination sample after its surgical removal, and the necessity of preserving it with a substance that preserves it from damage
- B3. Examination of the glass slides and diagnosis of the diseased condition of the canine, as a result of the examination in a laboratory report

### Teaching and Learning Methods

Theoretical lectures and practical lessons

### Assessment methods

short exams

Mid-year exams (theoretical and practical)

End-of-year exams (theoretical and practical)

### C. Affective and value goals

- C1. Develop the idea of work and team spirit
- C2. To develop moral behavior among students
- C3. Maintaining the secrets of the patient
- C4. Develop the concept of community service and follow the best method in dealing with community members

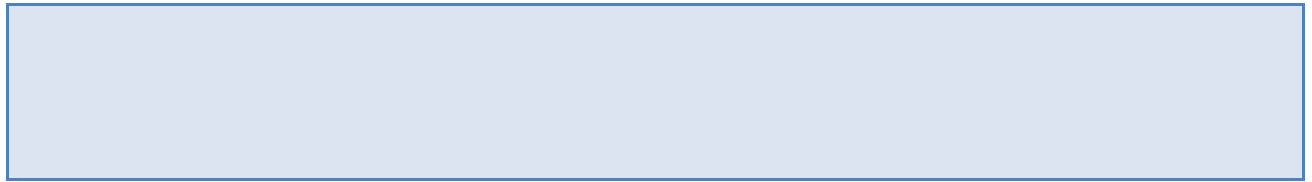
### Teaching and Learning Methods

Theoretical lectures and medical reports

### Assessment methods

Note with daily evaluation

Focus on professional behavior in lectures



**D. General and Transferable Skills (other skills relevant to employability and personal development)**

- D1. How to diagnose diseases and their causes from a clinical point of view
  - D2. Investigating and diagnosing the disease and recommending modern laboratory, serological and radiological examinations
  - D3. Prevention and education of the community to reduce viral and bacterial infectious diseases
  - D4. Emphasis on early detection of cancerous diseases through screening programs
- Using modern computer methods to save patient data

**Teaching and Learning Methods**

Theoretical lectures and medical reports

**Assessment Methods**

Exams

11. Program Structure

12. Awards and Credits

Hours		Course or Module Title	Course or Module Code	Year
Practical	Theory			
<b>General pathology</b>				
<b>12</b>	<b>5</b>	<b>Cell injury</b>		Third stage
	2	Cellular adaptation to stress(hyperplasia, hyperatrophy, atrophy and metaplasia)		
	1	causes and morphology of Cell injury		
	2	Cell death (necrosis and apoptosis)		
	2	Amyloidosis		
<b>12</b>	<b>10</b>	<b>Inflammation healing and repair</b>		
	3	Acute inflammation		
	3	Chronic inflammation		

	1	Systemic effect of inflammation		
	3	Healing and repair		
6	9	<b>Medical genetics</b>		
	2	Mutation		
	2	Mendelian disorders		
	2	Single gene defect		
	2	Cytogenetic disorders		
	1	Genomic imprinting		
6	5	<b>Circulatory system</b>		
	2	Thrombosis and embolism		
	2	Infarction		
	1	Shock		
12	10	<b>Neoplasia</b>		
	1	Nomenclature		
	3	Characteristics of benign and malignant tumors		
	2	Tumor angiogenesis		
	2	Host defense against tumor		
	2	Carcinogenesis		
<b>Systemic pathology الفصل الثاني</b>				
6	10	<b>Cardiovascular system</b>		
	5	Diseases of blood and lymphatic vessels (Atherosclerosis, aneurysm and tumors)		
	5	Diseases of the heart ( ischemic heart diseases, valvular heart disease, congenital heart diseases and tumors)		
12	10	<b>Respiratory system</b>		
	3	Upper respiratory tract diseases (atelectasis, emphysema , bronchactasis and asthma)		
	2	Pneumonia (lobar and bronchopneumonia)		
	2	Pneumoconiosis		
	3	Tumors of lung and pleura		
12	10	<b>Hematopoietic system</b>		
	3	Red cell disorders (anaemias and polycythemias)		
	3	White cell disorders (leukemias)		
	2	Plasma cell disorders (multiple myeloma)		
	2	Bleeding disorders (thrombocytopenia)		
6	5	<b>Lymphoreticular system</b>		



	1	Reactive lymphadenopathy		
	2	Neoplastic lymphadenopathy(hodgkin and non-hodgkin lymphoma)		
	1	Metastatic lymphadenopathy		
	1	Spleen and thymus		
<b>6</b>	<b>8</b>	<b>Gastrointestinal system</b>		
	2	Diseases of esophagus( GERD , tumors)		
	3	Diseases of stomach(gastritis peptic ulcer and tumors)		
	3	Diseases of small and large intestine(inflammatory bowel diseases, polyp and tumors)		
<b>6</b>	<b>8</b>	<b>Liver, gall bladder and pancreas</b>		
	4	Diseases of liver(hepatitis, cirrhosis and tumors)		
	2	Diseases of gall bladder(stones, cholecystitis and tumors)		
	2	Diseases of pancreas(pancreatitis and tumors)		
<b>12</b>	<b>10</b>	<b>Kidney and urinary tract</b>		
	2	Glomerular diseases		
	2	Diseases of renal tubules		
	2	Cystic diseases of kidney		
	1	Renal stones		
	2	Renal tumors		
	1	Diseases of urinary tract( ureter, urinary bladder)		
<b>6</b>	<b>5</b>	<b>Female genital system</b>		
	1	diseases of the uterine cervix( cervical intraepithelial neoplasia and tumors)		
	2	Disease of body of the uterus( adenomyosis, endometriosis, endometrial hyperplasia, endometrial carcinoma and leiomyoma)		
	2	Diseases of the ovaries (neoplastic and non-neoplastic ovarian diseases)		
	1	Gestational trophoblastic diseases( H.mole and choriocarcinoma)		
<b>3</b>	<b>5</b>	<b>Breast</b>		
	<b>1</b>	Non-infective inflammatory diseases		
	1	Fibrocystic diseases of the breast		
	2	Benign and malignant tumors		
	1	Male breast		

-	<b>2</b>	<b>Endocrine</b> {disease of thyroid gland-thyroiditis and thyroid tumors )		
-	<b>2</b>	<b>Bone</b> <b>Bone tumors</b>		
-	<b>2</b>	<b>Central nervous system</b> (infection and tumors )		
	<b>2</b>	<b>Male genital system</b> Testicular neoplasms and disease of prostate		

### 13. Personal Development Planning

The ability to diagnose diseases and follow-up the patient's pathological condition through laboratory, serological and radiological examinations and analyzes to know the extent of the disease's development in order to prescribe the appropriate treatment for it

### 14. Admission criteria.

### 15. Key sources of information about the programme

Robbins basic pathology  
Currans atlas for gross and histopathology



# TEMPLATE FOR COURSE SPECIFICATION

## HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

### COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	University of Basrah
2. University Department/Centre	College of medicine Department of pathology and forensic medicine
3. Course title/code	Science of pathology
4. Modes of Attendance offered	Electronic learning Video Theoretical lectures and practical lessons
5. Semester/Year	year
6. Number of hours tuition (total)	240 hours
7. Date of production/revision of this specification	2019
8. Aims of the Course	
1. Understanding and applying general facts in the field of pathology for third-year medical students	
2. Monitoring and analyzing functional and histological pathological variables and how to diagnose them in preparation for the understanding of clinical medical sciences.	
3. The link between pathological changes and disease manifestations	
4. Gain the ability to identify and find appropriate solutions to medical problems	
5. Understand the role of pathologists as part of an integrated medical team responsible for diagnosing a medical condition and determining the appropriate treatment	
6. Learn how to care for and maintain tissues taken from patients and even deliver them to the laboratory in good condition for diagnosis	

## 9· Learning Outcomes, Teaching ,Learning and Assessment Methode

**A- Cognitive goals .**

A1. Understand and apply general facts in pathology

A2. Correlation between pathological changes and disease manifestations

A3. Monitoring the latest histological and functional pathological variables and how to diagnose them using the latest methods

A4. Learn how to preserve tissues taken from the patient and deliver them to the laboratory in a satisfactory condition for the purpose of diagnosis.

**B. The skills goals special to the course.**

We aim to teach laboratory techniques and skills, especially modern skills in histopathology, hematology and genetics..

**Teaching and Learning Methods**

Giving theoretical lectures using projectors technology

Focusing on the practical side, especially the most common diseases, through presentations, discussions, and examination of glass slides and laboratory models in practical lessons.

**Assessment methods**

Theoretical exams mid-year, end-of-year and semester

**C. Affective and value goals**

C1- Maintaining the confidentiality of the diagnostic information of the disease

C2- Be keen on humane dealing with patients, especially cancerous communities

C 3- Teaching the methods of informing the patient and his companions of the results of the analysis

C 4- Paying attention to the human aspect and not providing the material aspect

**Teaching and Learning Methods**

Giving instructions related to the behavior and objectives of the profession

**Assessment methods**

Theoretical exams mid-year, end-of-year and semester

**D. General and rehabilitative transferred skills(other skills relevant to employability and personal development)**

D1- The ability to diagnose the disease by linking the clinical signs of the disease and the results of laboratory tests

D 2- Determination of the type and degree of progression of the disease through laboratory, immunological and radiological examinations

D3- Paying attention to modern laboratory tests in histology and hematology

**10. Course Structure**

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
30 weeks 15 weeks for each term	120 theoretical 120 practical		Science of pathology	Theoretical lectures and practical lessons	Mid-year and final exams

**11. Infrastructure**

1. Books Required reading:	Robbin's Basic Pathology 8 <sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010 Currans atlas of gross and histopathology
2. Main references (sources)	Robbin's Basic Pathology 8 <sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010 Stevens: Core pathology, 3ed edition 2010. Practical booklet 2010
A- Recommended books and references (scientific journals, reports...).	Robbin's Basic Pathology 8 <sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010 Stevens: Core pathology, 3ed edition 2010. Practical booklet 2010



B-Electronic references, Internet sites...	Pathology outlines
12. The development of the curriculum plan	
Students learning centers	

المنهاج الدراسي لمادة علم الامراض المرحلة الثالثة  
2022/2021

**Program of lectures for the third year students in pathology**

**Reference Books:**

1-Robbin's Basic Pathology 9<sup>th</sup> Edition; Kumar, Abbas, Fausto & Mitchell 2010

2-Muir's Text Book of Pathology, 13<sup>th</sup> Edition; Roderick N M MacSween & Keith Whaley 1994

3-Stevens: Core pathology, 3ed edition 2010.

4- Practical booklet 2010

الفصل الاول

<u>Subject</u>	<u>No. of lectures</u>	<u>Lecturer</u>
<b><u>General Pathology</u></b>		
Introduction	1	Dr. Jasim AL-diab
Cell injury, Cell death and Adaptations amyloidosis	7	Dr. Suadad Asim
Inflammation, Healing & Repairs	10	Dr. Swasan salih Alharoon
Disturbnces of blood flow and body fluid	5	Dr. Saad Abdulbaqi
Medical Genetics	9	Dr. Saad Abdulbaqi
Neoplasia	10	Dr. Jasim Al-Diab
<b><u>Systemic pathology</u></b>		
Blood & lymphatic's vessels, Heart	10	Dr. Saad Abdulbaqi
Respiratory system	10	Dr. Jasim Al-Diab
- Hematopoietic system	10	Dr. Alaa Abdulrazzaq
- Lymphoreticular system	5	Dr. Swasan salih Alharoon
Esophagus and gastro-intestinal tract	8	Dr. Hind Alaa
Liver, biliary tract & pancreas	8	Dr. Abeer Ali Hussien
Kidney & urinary tract system	10	Dr. Zaineb Abdulameer

<b>Female genital system</b>	<b>5</b>	<b>Dr.Noor Sabeeh</b>
<b>The breast</b>	<b>5</b>	<b>Dr. Aseel Hamid</b>
<b>Male genital system</b>	<b>2</b>	<b>Dr.Zaineb Abdulameer</b>
<b>Endocrine system</b>	<b>2</b>	<b>Dr.Noor Sabeeh</b>
<b>Bone, joints and skeletal muscles</b>	<b>2</b>	<b>Dr.Hind Alaa</b>
<b>Central and peripheral nervous system</b>	<b>2</b>	<b>Dr. Saad Abdulbaqi</b>

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