



**BAQAI MEDICAL COLLEGE**  
**3<sup>rd</sup> YEAR MBBS (2024 – 2025)**  
**(ONCOGENETICS MODULE)**



**BAQAI MEDICAL COLLEGE**

**3<sup>RD</sup> YEAR MBBS**  
**SESSION 2024-25**



**ONCO-GENETICS MODULE**



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**SPIRAL II – INTERGRATED CURRICULUM**  
**ONCO-GENETICS MODULE STUDY GUIDE**  
**3<sup>rd</sup> YEAR MBBS (SESSION 2024- 2025)**



**BAQAI MEDICAL COLLEGE**  
**BAQAI MEDICAL UNIVERSITY**

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## **PREFACE**

The landscape of medical education is evolving rapidly, embracing a shift from teacher-centered to student-centered learning approaches across undergraduate and postgraduate levels. In response to these advancements, this study guide for the integrated modular system has been meticulously crafted to align with these changes, following the SPICES model of curriculum development.

1. **Student-centered Approach:** The course organization, content, and activities are predominantly structured around student engagement and empowerment.
2. **Problem-Oriented Learning:** Case-based learning is integrated into our modules to foster problem-solving skills among students.
3. **Explicit Integration:** Basic sciences content is seamlessly integrated with pre-clinical and clinical subjects to provide a comprehensive understanding of medical concepts.
4. **Community Engagement:** Field visits to satellite clinics and community healthcare centers offer students firsthand exposure to community-related health issues.
5. **Elective Opportunities:** Students are encouraged to pursue electives within our institution and other institutes to broaden their learning experiences.
6. **Structured Program:** Our curriculum unfolds systematically, starting from foundational medicine concepts and encompassing all facets of medical sciences in Spiral integration.

Therefore, this study guide serves as a comprehensive resource, offering content-related information, guidance on learning strategies, curriculum management, and outlines of student activities. It is designed to support the undergraduate MBBS program in a multidimensional manner, facilitating holistic learning and development.

<i><b>Vision</b></i>	<i><b>Mission</b></i>
	
<i><b>Baqai Medical University</b></i>	
<p>To evolve as a nucleus for higher learning with a resolution to be socially accountable, focused on producing accomplished health care professionals for services in all spheres of life at the national and global level”.</p>	<p>The mission of Baqai Medical University is to be recognized as a center of excellence in education, research, patient care, and community services by producing highly capable and knowledgeable professionals.</p>
<i><b>Baqai Medical College</b></i>	
<p>Our vision is to enhance access and excellence in medical education and research, with the aim of capacity building of students and faculty through innovations, and science and technology competencies, to achieve rapid and sustainable health. The medical graduate thus produced, will be informed, and trained enough to serve the community better, and to be an advisor to the national and international health organizations.</p>	<p>The mission of the Baqai Medical College is to produce medical graduates, who are responsible and accomplished individuals and have skills for problem-solving, clinical judgment, research, and leadership for a medical practice at the international level and are also aware of the health problems of the less privileged rural and urban population of Pakistan.</p>



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**POLICIES AND PROCEDURES**  
**Code of Conduct and Maintenance of Discipline of Students**  
**Regulations Under section 25(e) BMU Act.1996**

All University students shall be under the full disciplinary control of the University. No students shall be allowed to participate in politics. The action against the act of indiscipline shall include fines, debarring from attending class, and cancellation of admission, depending on the gravity of indiscipline.

The following shall constitute acts of indiscipline for which action may be taken against the student or students:

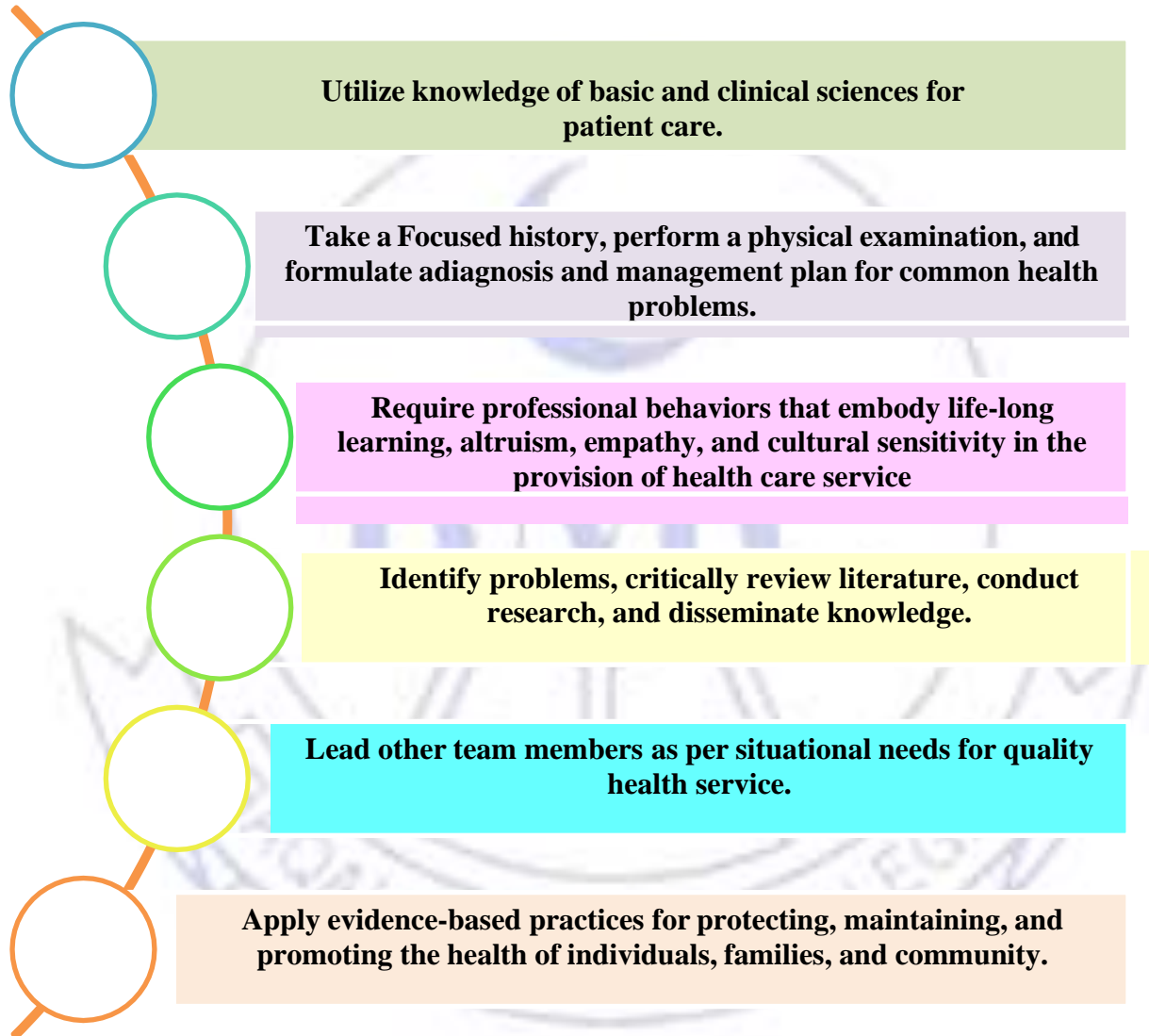
- (a) Breach of any rule public morals, such as:
  - Use of indecent or filthy language;
  - Use of immodest dress;
  - Use of undesirable remarks or gestures; and
  - Disorderly behavior, such as shouting, abusing, quarrelling, fighting and insolence.
- (b) Defiance of authority
- (c) Action, defamatory of and derogatory to Islam
- (d) Immorality
- (e) Being found under the effect of an intoxicant or misuse of drugs including marijuana, LSD dope and other opioids.
- (f) False personation or giving false information or willful suppression of information, cheating or deceiving.
- (g) Inciting or staging a walk-out, a strike, or an unauthorized procession.
- (h) Shouting of slogans derogatory to the prestige of the University or the reputation of its officers or teachers.
- (i) Visiting without a pass place which are not to be visited without a pass.
- (j) Visiting places declared out of bounds for students.

Every student must carry his / her Identity Card which will be open to examination and will be demanded at the time of entrance to the various University Faculties and functions.

No student will be admitted to the facilities of the library, transport, or the canteen unless he /she is in possession of the Identity Card.



## **OUTCOMES OF MBBS CURRICULUM**





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*Module II*

*ONCO-  
GENETICS  
MODULE*



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**MODULAR COMMITTEE**

1.	<b>Dr. Sarah Azhar (Pathology)</b>
2.	<b>Dr. Nazia Jameel (Community Medicine)</b>
3.	<b>Dr. Faraz Saleem (Pharmacology)</b>
4.	<b>Dr. Rafay A. Siddiqui (Forensic Medicine)</b>
5.	<b>Ms. Maria Rahim (Research)</b>
6.	<b>Dr. Azra Shaheen (Behavioral Sciences)</b>
7.	<b>Dr. Dania Faisal (Medicine)</b>
8.	<b>Dr. S. Abdullah Bukhari (Surgery)</b>





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**MODULAR DURATION**

Module Number	Module Name	Dates	Duration	Module In charge	Assessment Date & Pattern
2.	Onco-genetics Module	(30 <sup>th</sup> April – 27 <sup>th</sup> May, 2024)	4 weeks	Dr. Rafay A. Siddiqui	27 <sup>th</sup> May 2024 ( <i>Subject to minor changes</i> ) MCQs, SEQs & OSPE

**ASSESSMENT TOOLS**

1. Formative assessment

- Quiz (face to face or online)

2. Summative assessment

- MODULAR EXAM:
  - A single modular exam will be held at the end of module which will include all the subjects taught in the module.
  - Module will be assessed by MCQ, SEQ and OSPE / Viva.



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**DEPARTMENT OF PATHOLOGY**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

**By the end of each Lecture the students of 3<sup>rd</sup> year MBBS will be able to:**

<b>NEOPLASIA</b>				
<b>TOPIC</b>	<b>MODE OF TEACHING</b>	<b>TIME (hours)</b>	<b>LEARNING OBJECTIVES</b>	<b>PROPOSED NAMES OF FACILITATORS</b>
Introduction to Neoplasia & Differences of Benign & Malignant Tumours	Lecture # 1	01	Define Oncology, Tumor, Neoplasia, Anaplasia, Dysplasia, Metaplasia, Malignant Tumor and Benign tumor. Recognize the type of tumor based upon the nomenclature Differentiate benign tumors with malignant tumors based upon their macroscopic & microscopic features, behavior of tumors and differentiation with examples	Prof. Dr. Nasima Iqbal
Molecular Basis of Carcinogenesis I	Lecture # 2	01	List the common chemical and physical agents with their mechanism leading to carcinogenesis Discuss the effects of radiation, which causes cancer List 5 major occupational carcinogens in Pakistan. List the common microbes and viruses related to human cancer. List the hereditary causes associated with cancers	Dr. M. Rizwan
Molecular Basis of Carcinogenesis III	Lecture # 4	01	List the hallmarks of cancer. Discuss the alterations in cell cycle control proteins in cancer cells. Describe the role of proto-oncogenes, oncogenes & onco-proteins that cause self-sufficiency in growth promoting signals. Describe the pathogenesis of evasion of apoptosis in carcinogenesis	Dr. Maeesa Sajeel



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Molecular Basis of Carcinogenesis III	Lecture # 5	01	Describe that impairment in the repair of damaged/mutated DNA leads to cancer. Describe the mechanism of reactivation of telomerase and its association with unlimited proliferation capacity during carcinogenesis Describe the role of sustained angiogenesis in carcinogenesis.	Dr. Maeesa Sajeel
Metastasis	Lecture # 6	01	Define metastasis List the different routes of metastasis Describe the process of invasion and metastasis of malignant tumors	Dr. Sarah Azhar
Tumour Immunity & Tumour Markers	Lecture # 7	01	Discuss tumor antigens and anti-tumor effector mechanisms. Explain immune surveillance and immune evasion by tumors	Dr. Ghazal Irfan
Clinical Aspects of Neoplasia	Lecture # 8	01	Discuss the local and systemic effects of tumors Define cancer cachexia. List the causes that can lead to Cachexia Classify paraneoplastic syndrome & their origins Recognize the criteria upon which malignant tumors can be graded & staged to determine the prognosis of malignant tumors	Dr. M. Khan
Lab Diagnosis of Neoplasia	Lecture # 9	01	List the various laboratory techniques that help in the diagnosis of tumors List the tumor markers used in the diagnosis and management of cancers. Describe the role of molecular analysis in prompt diagnosis of cancers.	Dr. Munnazah Rashid
<b>GENETICS</b>				
Introduction to Genetics	Lecture # 10	01	Define the basic vocabulary of genetics, i.e. Gene, Allele, Chromosome. Define Mutation List types of mutations Recall the structure of DNA & ribosome	Prof. Dr. Nasima Iqbal
Basics of Genetic Abnormalities	Lecture # 11	01	Explain the nature of genetic abnormalities contributing to human disease Discuss the Mendelian disorders caused by single gene defects	Dr. M. Rizwan



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			Describe the transmission pattern of single gene disorders List common sex linked, autosomal dominant and autosomal recessive disorders	
Complex Multigenic & Cytogenic Disorders	Lecture # 12	01	Describe complex multigenic disorders. List the common cytogenic disorders involving autosomes and sex chromosomes. Discuss the karyotypic abnormality and clinical features of Trisomy 21 and Down syndrome. Describe the characteristics features of Klinefelter's syndrome and Turner's syndrome.	Dr. Maeesa Sajeel
Molecular Diagnosis of Genetic Disorders	Lecture # 13	01	Describe the molecular techniques used for the diagnosis of genetic disorders. List the common indications for prenatal and postnatal genetic analysis.	Dr. Sarah Azhar

**By the end of small group session, the students of 3<sup>rd</sup>. year MBBS will be able to:**

NEOPLASIA				
TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Leiomyoma & Lipoma	Practical # 1	2	Predict the type of tumour based on its nomenclature. Define Leiomyoma. List the common sites. Identify the gross & microscopic pathological features of Leiomyoma. Define Lipoma. List the common sites. Identify the gross & microscopic pathological features of lipoma. Predict the type of tumour based on its nomenclature.	Dr. Nadeem Umar Baqai



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Fibroadenoma & Hydatidiform Mole	Practical # 2	2	Predict the type of tumour based on its nomenclature. Define Fibroadenoma. List the common sites. Identify the gross & microscopic pathological features of Fibroadenoma. Define Hydatidiform mole. List the common sites. Identify the gross & microscopic pathological features of Hydatidiform mole.	Mr. M. Rizwan
Squamous Cell Papilloma & Squamous Cell Carcinoma	Practical # 3	2	Predict the type of tumour based on its nomenclature. Define Squamous cell papilloma. List the common sites. Identify the gross & microscopic pathological features of Squamous cell papilloma. Define Squamous cell carcinoma. List the common sites. Identify the gross & microscopic pathological features of Squamous cell carcinoma.	Dr. Tooba khan
Adenocarcinoma	Practical # 4	2	Define Adenocarcinoma. List the common sites. Identify the gross & microscopic pathological features of Adenocarcinoma.	Dr. Nadeem
FORMATIVE ASSESSMENTS	Interactive session Followed by quiz and its feedback	2	Assess the comprehension of key concepts Identify any misconceptions Facilitate peer review Understand the immediate feedback by which they can reflect on their learning and make improvements.	Dr. M. Rizwan





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**DEPARTMENT OF PHARMACOLOGY**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

**By the end of each Lecture the students of 3<sup>rd</sup> year MBBS will be able to:**

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Principles of Cancer Chemotherapy	Lecture # 1	01	Outline pathophysiology of cancer. Define cancer chemotherapy Explain the different treatment modalities of cancer therapy. Explain different mechanisms of resistance to chemotherapeutics agents. Discuss the adverse effects of cancer chemotherapy.	Prof. Dr. Nadeem
Anti-cancer drugs I (Cell cycle specific drugs)	Lecture # 2	01	Explain Cancer cell cycle kinetics Classify Cell Cycle specific anticancer drugs. Explain the mechanism of action of Fluorouracil, Methotrexate, Vincristine, Bleomycin Discuss clinical uses of these drugs. Discuss adverse effects of these drugs.	Dr. Faraz
Anti -cancer drugs II (Cell cycle non-specific and miscellaneous drugs)	Lecture # 3	01	Classify Cell Cycle non-specific and miscellaneous anticancer drugs. Explain the mechanism of action of, Cyclophosphamide, Doxorubicin, Imatinib, Trastuzumab, Tamoxifen Discuss clinical uses of these drugs. Discuss adverse effects of these drugs.	Prof. Dr. Asif



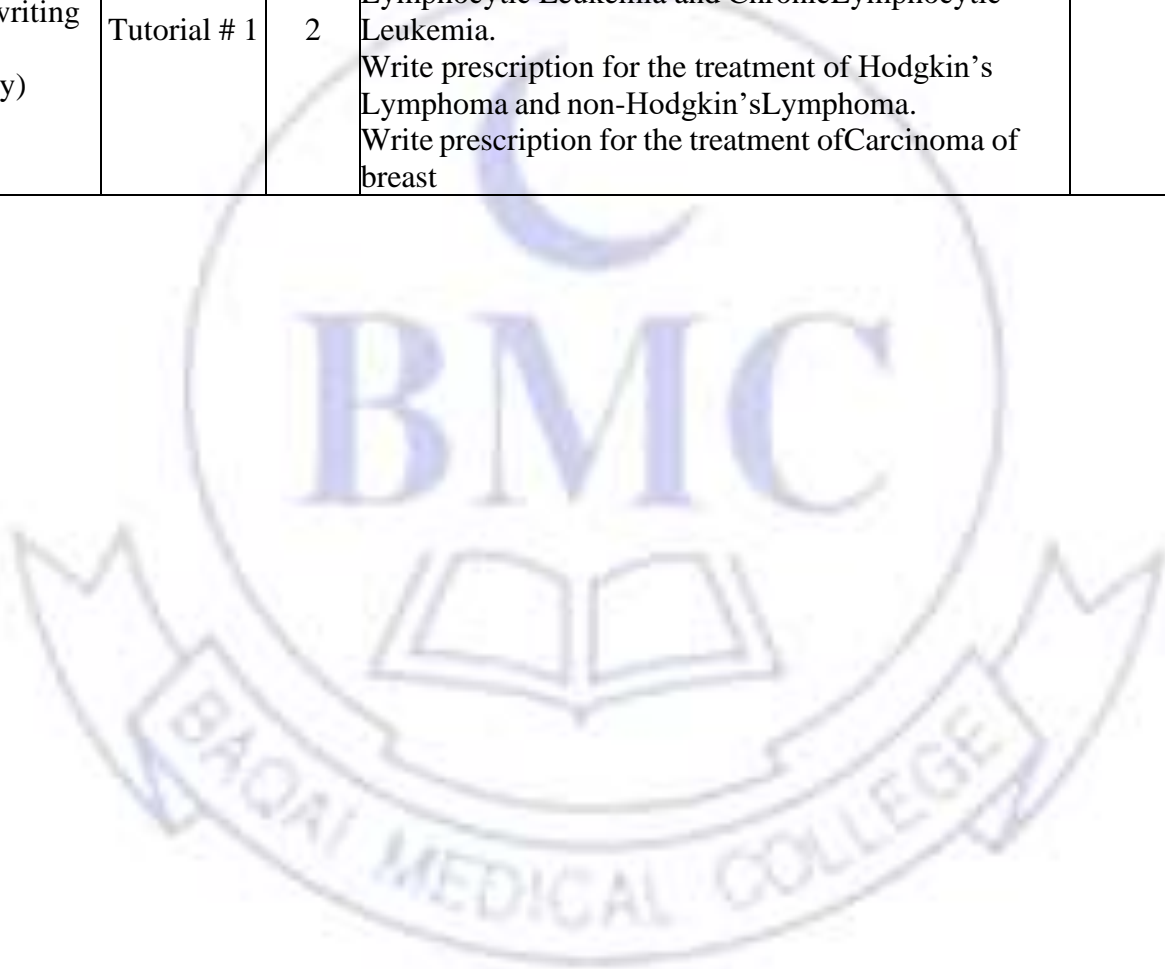


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**By the end of each Small Group Session (Tutorial) the students of 3<sup>rd</sup> year MBBS will be able to:**

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Rationale prescription writing (cancer chemotherapy)	Tutorial # 1	2	Write prescription for the treatment of Acute Myeloid Leukemia and Chronic Myeloid Leukemia. Write prescription for the treatment of Acute Lymphocytic Leukemia and Chronic Lymphocytic Leukemia. Write prescription for the treatment of Hodgkin's Lymphoma and non-Hodgkin's Lymphoma. Write prescription for the treatment of Carcinoma of breast	Dr. Sehrish





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**DEPARTMENT OF FORENSIC MEDICINE**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup> year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Injuries 9	Lecture 1	01	Discuss Transportation Injuries to Pedestrians Discuss Transportation Injuries Driver	Dr. Jan e Alam
Injuries 10	Lecture 2	01	Describe high voltage Electrical Injuries Describe lightning injuries Describe Radiation Injuries	Dr. Jan e Alam
Forensic Psychiatry 1	Lecture 3	01	Describe salient features of Mental Health Ordinance 2001. Diagnose & Certify Mental Illness. Learn about Mental Retardation / Mental Sub-normality or Deficiency --- - Psychosis & Neurosis.	Dr. Rafay A. Siddiqui
Forensic Psychiatry 2	Lecture 4	01	Detail Restraint of the Mentally ill (Insane) person Explain different Subjective Disorders like Delusion, Hallucination, Illusion, Obsession, Impulse Explain psychiatric disorders like Bipolar Schizophrenia	Dr. Rafay A. Siddiqui
Forensic Psychiatry 3	Lecture 5	01	Recognize Motives of Feigned insanity. Discuss Civil & Criminal Responsibilities of the insane person	Dr. Rafay A. Siddiqui
Sexual Jurisprudence 1	Lecture 6	01	Define Impotence / Erectile Dysfunction, Sterility, Sterilization, Artificial Insemination Describe Causes of Impotence & Sterility in Males Describe Causes of Impotence & Sterility in Females.	Dr. Jan e Alam



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			Explain Recommended Guidelines / Precautions for Artificial Insemination along with its legal dictums.	
Organophosphate poisoning	Lecture 7	02	List the Uses of all the above Organophosphorus Poisons. Describe the Mechanism of Action of all these. List the Treatment options for Acute Poisoning as well as Chronic Poisoning of all. Diagnose the Chronic Signs & Symptoms of all. Diagnose the Acute Signs & Symptoms of all these Poisonings	Dr. Jan e Alam

**By the end of each small group session (practical) , the students of 3<sup>rd</sup> year MBBS will be able to:**

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Medicolegal Reports 1	Practical 1	2.25	Write the Medico-legal Reports of: Age Certification Drunk / Alcoholic Poisoning	Dr. Muzammil Iqbal
Medicolegal Reports 2	Practical 2	2	Write the Medico-legal Reports of: Assault Burns Vitriolage	Dr. Muzammil Iqbal
Sexual Jurisprudence 2	Practical 3	2	Define Natural Sexual Offences List the punishments for said offences Describe method of examination of rape	Dr. Muzammil Iqbal
Sexual Jurisprudence 3	Practical 4	2	Give Legal Definition of Rape Define Indecent Assault Detail Feigned Rape & ML Questions on Rape	Dr. Muzammil Iqbal



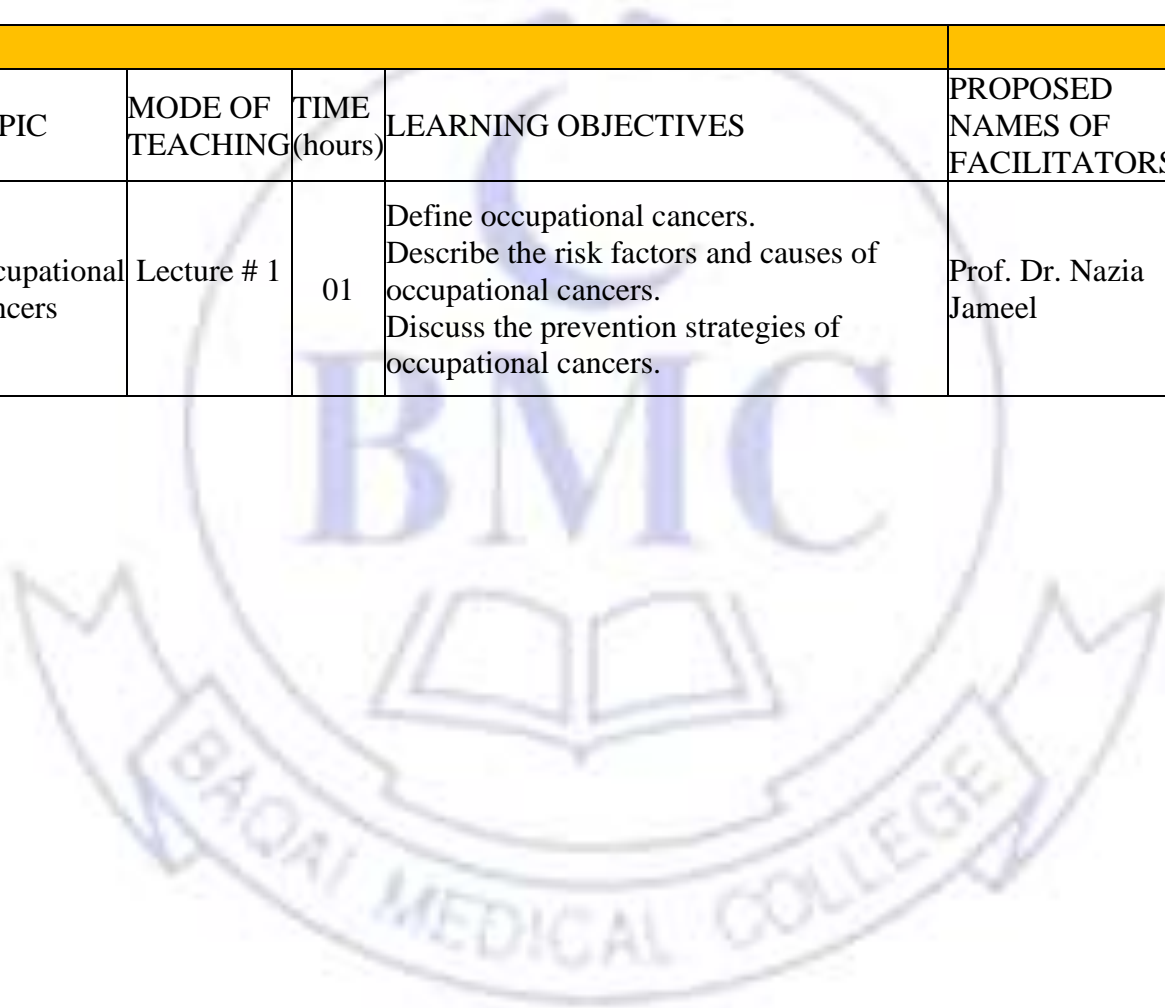
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**DEPARTMENT OF COMMUNITY MEDICINE**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup> year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Occupational Cancers	Lecture # 1	01	Define occupational cancers. Describe the risk factors and causes of occupational cancers. Discuss the prevention strategies of occupational cancers.	Prof. Dr. Nazia Jameel





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**DEPARTMENT OF RESEARCH**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup> year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Synopsis Write up	Small group discussion	2	Prepare an appropriate introduction section Examine available literature to write a comprehensive literature review	Group supervisors
	Small group discussion	2	List all the subsections of methods Explain the components of methods in details	Group supervisors





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**DEPARTMENT OF MEDICINE & ALLIED**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup> year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Spectrum of clinical manifestations of malignant diseases	Lecture # 1	01	Recall common cancers Understand the local features of malignant diseases To understand metastatic and non-metastatic manifestations of malignant diseases To understand the emergency complications of malignant diseases	Dr. Dania Faisal





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**DEPARTMENT OF SURGERY & ALLIED**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup>. year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Principles of Oncology	Lecture # 1	01	understand the biological nature of cancer understand that curative treatment is only one component in the overall management of cancer understand the principles of cancer prevention, early detection and screening	Dr. S. M. Abdullah Bukhari





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**DEPARTMENT OF GYNAECOLOGY / OBSTETRICS**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup> year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Reproductive medicine	Lecture # 1	01	Define reproductive health and reproductive Medicine. Identify the components of reproductive Medicine. Describe the Factors affecting reproductive health. Endocrinological evaluation of reproductive health	Prof. Dr. Farrukh Naheed
Concept of high-risk pregnancy	Lecture # 2	01	Define high risk pregnancy. Classify the high-risk pregnancy. Explain the role of preconception care and counselling.	Dr. Saadia Akram
Termination of Pregnancy & Abortion law of Pakistan Penal code	Lecture # 3	01	Define termination of pregnancy. Classify the methods used for termination of pregnancy according to gestation period. Explain the Pakistan Penal Code Law for termination of pregnancy.	Dr. Nikhat Ahsan



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**DEPARTMENT OF BEHAVIORAL SCIENCES**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup> year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
Personality	Lecture # 1	01	Define personality Theories of personality development What is the psychosexual theory of personality development? What is cognitive theory of personality development	Dr. Azra Shaheen
Psychodynamic Theory of Personality	Lecture # 2	01	Psychosexual theory Tripartite model of personality Conscious and unconscious	Dr. Azra Shaheen
Psychosocial Theory of Personality	Lecture # 3	01	Eight stages of Erick Erikson's theory	Dr. Azra Shaheen



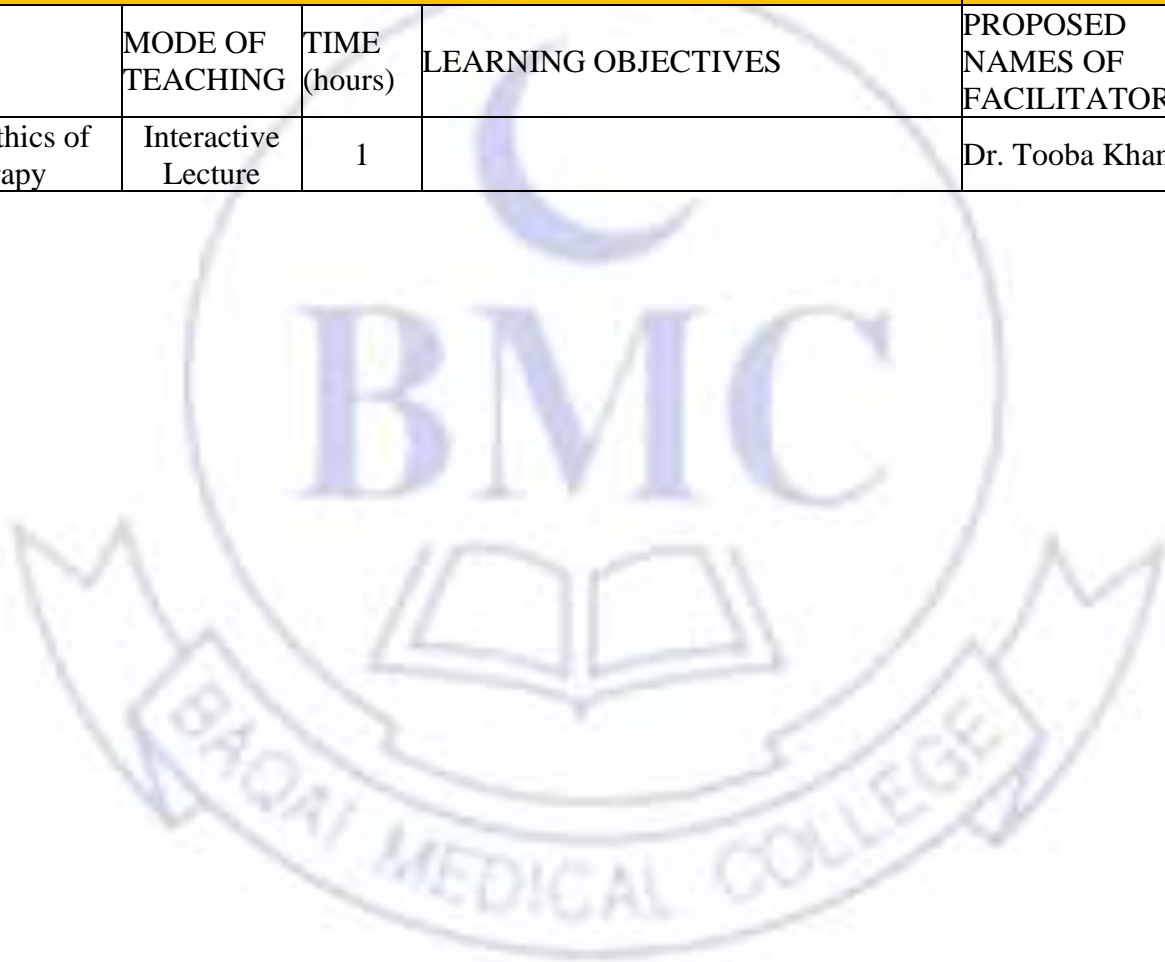
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**DEPARTMENT OF BIOETHICS**  
**LEARNING OBJECTIVES**  
**(3<sup>rd</sup> year MBBS)**

By the end of each lecture, the students of 3<sup>rd</sup>. year MBBS will be able to:

TOPIC	MODE OF TEACHING	TIME (hours)	LEARNING OBJECTIVES	PROPOSED NAMES OF FACILITATORS
The bioethics of gene therapy	Interactive Lecture	1		Dr. Tooba Khan





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**TIME TABLES**  
**FOR**  
**ONCO-GENTICS**  
**MODULE**

**3<sup>rd</sup> year MBBS**  
**Session 2024-25**






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**TIME TABLE (ONCOGENETICS MODULE)**



WEEK 1	(29-04-2024 till 03-05-2024)					
	8.30 - 9.30	9.30 - 10.30	10.30-10.45	10.45-01.45	01.45-02.15	02.15 - 04.30
	Lect I	Lect II				Practical / Tutorial
Monday 29-04-2024	FOUNDATION MODULE ASSESSMENT (THEORY)		TEA BREAK	CLINICS / WARDS	NAMAZ & LUNCH BREAK	FOUNDATION MODULE EXAM (OSPE)
Tuesday 30-04-2024	FOR. MED. Injuries IX Dr. Jan e Alam	PATHO. Introduction to Neoplasia & Differences of Benign & Malignant Tumours Dr. M. Rizwan				Patho (A) SDL (B) For. Med. (C)
Wednesday 01-05-2024	LABOUR DAY					OFF
Thursday 02-05-2024	BEHV. SCI. Personality Dr. Azra Shaheen	GYNAE. / OBS. Reproductive medicine				Patho (C) SDL (A) For. Med. (B)
Friday 03-04-2024	MED. Spectrum of clinical manifestations of malignant diseases	SURG. Principles of Oncology				Patho (B) SDL (C) For. Med. (A)
LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2 <sup>nd</sup> Floor, BLOCK B						
PRACTICAL GROUPS: Group (A) (001-034), Group (B) (035-066), Group (C) (067-105)						
PATHOLOGY PRACTICAL (Histopathology Lab, 2 <sup>nd</sup> floor, Block B)		Leiomyoma & Lipoma	Dr. Rozina Khan			
FORENSIC MEDICINE (For. Med. Museum, 2 <sup>nd</sup> floor, Block B)		Medicolegal Reports 1	Dr. Muzammil Iqbal			

  
**Dr. Adil Khan**  
 MBBS, MCPS, FCPS  
 Vice Principal (Academics)  
 Baqai Medical College





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WEEK 2	(06-05-2024 – 10-05-2024)					
	8.30 - 9.30	9.30 - 10.30	10.30 - 10.45	10.45 - 11.45	11.45 - 12.00	02.00 - 04.00
	Lect I	Lect II	5	5	0	Practical / Tutorial
Monday 06-05-2024	<b>PATHO.</b> Molecular Basis of Carcinogenesis I Dr. Maeesa Sajed	<b>FOR. MED.</b> Injuries X Dr. Jan e Alam	<b>TEA BREAK</b>	<b>CLINICS / WARD</b>	<b>NAMAZ &amp; LUNCH BREAK</b>	<b>RESEARCH</b> Topic selection (Group Supervisors)
Tuesday 07-05-2024	<b>FOR. MED.</b> Sexual jurisprudence – I Dr. Jan e Alam	<b>GYNAE. / OBS.</b> Termination of Pregnancy & Abortion law of Pakistan Penal code Dr. Nikhat Ahsan				Patho (A) SDL (B) For. Med. (C)
Wednesday 08-05-2024	<b>PATHO.</b> Molecular Basis of Carcinogenesis II Dr. M. Khan	<b>PHARMA.</b> Principles of Cancer Chemotherapy Prof. Dr. Nadeem / Dr. Javeria				Patho (C) SDL (A) For. Med. (B)
Thursday 09-05-24	<b>PATHO.</b> Metastasis Dr. Ghazal Irfan	<b>BEHV. SCI.</b> Psychodynamic Theory of Personality Dr. Azra Shaheen				Patho (B) SDL (C) For. Med. (A)
Friday 10-05-24	<b>PATHO.</b> Tumour Immunity & Tumour Markers Dr. Sarah Azhar	<b>COM. MED</b> Occupational Cancers Prof. Dr. Nazia Jameel				<b>RESEARCH</b> Topic selection (Group Supervisors)
<b>LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2<sup>nd</sup> Floor, BLOCK B</b>						
<b>PATHOLOGY PRACTICAL</b> (Histopathology Lab, 1 <sup>st</sup> floor, Block B)		Fibroadenoma, Hydatidiform Mole & Adenocarcinoma			Dr. Nadeem Umar Baqri	
<b>FORENSIC MEDICINE</b> (For. Med. Museum, 2 <sup>nd</sup> floor, Block B)		Medicolegal Reports II			Dr. Muzzamil Iqbal	

  
**Dr. Adil Khan**  
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**TIME TABLE (ONCOGENETICS MODULE)**



WEEK 3	(13-05-2024 – 17-05-2024)					
	8.30 – 9.30	9.30 – 10.30	10.30	10.45	01.45	02.00 – 04.00
	Lect I	Lect II	-10.4 5	-01.4 5	-02.0 0	Practical / Tutorial
Monday 13-05-2024	<b>PATHO.</b> Clinical Aspects of Neoplasia Dr. Munazzah Rashid	<b>FOR. MED.</b> Forensic Psychiatry – I Dr. Rafay A. Siddiqui	<b>TEA BREAK</b>	<b>CLINIC / WARDS</b>	<b>NAMAZ &amp; LUNCH BREAK</b>	Patho (A) SDL (B) For. Med. (C)
Tuesday 14-05-2024	<b>FOR. MED.</b> Forensic Psychiatry – II Dr. Rafay A. Siddiqui	<b>PATHO.</b> Lab Diagnosis of Neoplasia Prof. Dr. Nasima Iqbal				Patho (C) SDL (A) For. Med. (B)
Wednesday 15-05-2024	<b>PHARMA.</b> Anti-cancer drugs I (Cell cycle specific drugs) Dr. Faraz / Dr. Scheerish	<b>GYNAE. / OBS.</b> Concept of high-risk pregnancy Dr. Saadia Akram				Patho (B) SDL (C) For. Med. (A)
Thursday 16-05-24	<b>BIOETHICS</b> Dr. Tooba Khan	<b>PHARMA.</b> Anti-cancer drugs II (Cell cycle non-specific and miscellaneous drugs) Prof. Dr. Asif / Dr. Izum				<b>PATHOLOGY FORMATIVE ASSESSMENT</b> Dr. Sarah Azhar
Friday 17-05-24	<b>FOR. MED.</b> Forensic Psychiatry – III Dr. Rafay A. Siddiqui	<b>BEHV. SCI</b> Psychosocial Theory of Personality Dr. Azra Shaheen				<b>FOR. MED.</b> Organophosphate poisons Dr. Jan e Alam
<b>LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2<sup>nd</sup> Floor, BLOCK B</b>						
<b>PATHOLOGY PRACTICAL</b> (Histopathology Lab, 1 <sup>st</sup> floor, Block B)		Squamous Cell Papilloma & Squamous Cell Carcinoma		Dr. Sana Mubarak		
<b>FORENSIC MEDICINE</b> (For. Med. Museum, 2 <sup>nd</sup> floor, Block B)		Sexual jurisprudence – II		Dr. Muzzamil Iqbal		

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**TIME TABLE (ONCOGENETICS MODULE)**

WEEK 4	(20-05-2024 – 24-05-2024)					
	8.30 – 9.30	9.30 – 10.30	10.30	10.45	01.45	02.00 – 04.00
	Lect I	Lect II	-10.4 5	-01.4 5	-02.0 0	Practical / Tutorial
Monday 20-05-2024	<b>PATHO.</b> Introduction to Genetics Dr. Muhammad Rizwan	<b>PATHO.</b> Basics of Genetic Abnormalities Dr. Maeesa Sajocl	TEA BREAK	CLINICS / WARDS	NAMAZ & LUNCH BREAK	SDL  
Tuesday 21-05-2024	<b>PATHO.</b> Complex Mulligenic & Cytogenic Disorders Dr. Muhammad Khan	<b>PATHO.</b> Molecular Diagnosis of Genetic Disorders Dr. Ghazal Irfan				
Wednesday 22-05-2024	Patho. Practical (A) Pharma Tutorial (B) For. Med. Tutorial (C)					
Thursday 23-05-24	Patho. Practical (B) Pharma Tutorial (C) For. Med. Tutorial (A)					
Friday 24-05-24	Patho. Practical (C) Pharma Tutorial (A) For. Med. Tutorial (B)					
<b>LECTURES: Will be conducted in PHARMACOLOGY LECT. HALL, 2<sup>nd</sup> Floor, BLOCK B</b>						
<b>PATHOLOGY PRACTICAL</b> (Histopathology Lab, 1 <sup>st</sup> floor, Block B)		Revision		Dr. M. Yasir Rishi		
<b>PHARMACOLOGY TUTORIAL</b> (Pharma Lect Hall, 2 <sup>nd</sup> floor, Block B)		Rationale prescription writing (cancer chemotherapy)		Dr. Schrish / Dr. Hina Masood		
<b>FORENSIC MEDICINE</b> (For. Med. Museum, 2 <sup>nd</sup> floor, Block B)		Sexual jurisprudence – III		Dr. Muzzamil Iqbal		

**TENTATIVE DATE FOR MODULAR ASSESSMENT (Monday) 27<sup>th</sup> May, 2024**

  
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