**Programme Inspection Proforma**


# **For**

# **M. Phil Histopathology**

#  **UNIVERSITY OF HEALTH SCIENCES, LAHORE**

**LEGAL REQUIREMENTS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. #** | **PARAMETER**  | **REQUIRED**  | **ACTUAL / OBSERVED**  |
| 1 | Ownership  | Institution can vest ini. a body corporate registered under the relevant laws of companies ordinance / societies / trust.ii. Federal/ Provincial or Local Government1. A Pakistani University seeking affiliation for Medical/ Dental/Allied Health sciences courses

iv. An autonomous body promoted by Federal/provincial/local government by or under a statute for the purpose of nursing education;v. A public or private charitable trust registered under the related act. |  |
| 2 | Teaching Hospital  | Independent or Hospital based laboratory having workload of minimum 1000 laboratory tests per day as a total including different departments, chemistry, hematology, immunology, microbiology, histopathology and molecular biology.Participation of Lab in internal and external quality assurance programmes. |  |
| 3 | Area of Premises  | Minimum 1 acre |  |
| 5 | Ownership / Possession of Land  | Ownership / Lease of 33 years  |  |

**FINANCIAL STATUS AND SUSTAINABILITY**

|  |  |  |  |
| --- | --- | --- | --- |
| **S #** | **PARAMETER**  | **REQUIRED**  | **ACTUAL / OBSERVED**  |
| 1 | Working Capital  | Min. Rupees 2.5 Million (For Private Institution) |  |

**COMMON FACILITIES**

 **“INFRASTRUCTURE**”

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PARAMETER**  | **CAPACITY**  | **ACTUAL / OBSERVED**  | **AREA PER PERSON**  | **MIN. AREA**  | **ACTUAL / OBSERVED**  |
| Auditorium  | (1) 300 capacity  |  | 10 sqft/person  | 1000 sqft  |  |
| Lecturer Hall  | (1) 100 capacity  |  | 10 sqft/person  |  1000 sqft  |  |
| Library  | (1) 300 capacity  |  | 10 sqft/person  | 2000 sqft  |  |
| Cafeteria | (1) 100 capacity  |  | 20 sqft/person  | 2000 sqft  |  |
| Examination Hall | (1) 300 capacity  |  | 10 sqft/person  | 1000 sqft  |  |
| Internet / Computer Labs  | (1) 50 Capacity  |  | 10 sqft/person | 500 sqft |  |

**BASIC REQUIREMENTS FOR M.Phil HISTOPATHOLOGY PROGRAMME**

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| --- | --- | --- | --- | --- |
| **S #** | **PARAMETER**  | **REQUIRED**  | **SPECIFICATION/CAPACITY** | **ACTUAL / OBSERVED**  |
| 1 | **Offices**a) Teaching Staffb) Administrative Staff | a) 5 Minimumb) 2 Minimum |  |  |
| 2 | Seminar/meeting room | 1 | 25 Capacity |  |
| 3 | Refreshment/tea room | 1 | 20 Capacity |  |
| 4 | Library for PG Students | 1 | a) 20 Capacityb) Equipped with at least 3 computers with internet accessc) For two PG students at least one recommended Physiology book d) Availability of indexed journals  |  |
| 5 | Histopathology Laboratory | 1 | Optimum space for equipment and researchers with an area not less than 1000 sqft |  |
| 6 | Molecular Physiology/Biology Laboratory | 1 | Optimum space for equipment and researchers with an area not less than 500 sqft |  |
| 7 | Sample Collection/Patient Access |  | A tertiary hospital with minimum of daily 200 outdoor patients |  |
| 8 | Animal Research Facility/Laboratory | 1 | a) Animal House Rooms: 2 min with temperature and humidity monitor b) Office for Veterinary officerc) Designated space for house attendantd) Changing areae) Procedure room with proper OT lightf) 01 Colony breeding roomg) Cage washing areah) Feed preparation/storage roomi) Corridor to accommodate extra cage racks |  |

**ADMINISTRATIVE STAFF – ESSENTIAL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.#** | **Categories of staff** | **Req No.** | **Qualification and responsibility** | **Actual / Observed** |
|  | Programme Director | 1 | Faculty member(Professor, Associate Prof/ Assistant Prof) |  |
|  | Librarian | 1 | * Graduate in library Science and Computer literate.
* B.Sc.
 |  |
|  | Administrative officer /Computer technician/operator/typist | 1 | * Diploma in computer
* Fluent in language
 |  |
|  | Bio Statistician | 1 | M.S.C BiostatisticsMin two years experience |  |
|  | Peon | 2 | - Matric |  |
|  | Security guards | 1 | - Matric |  |
|  | Cleaners | 1 | -  |  |

**TEACHING STAFF – FACULTY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Designation**  | **Requirements/Qualifications** | **Available**  | **Deficiency**  | **Names with Qualifications** | **No. of M.Phil. Produced** | **Publications in last 3 years** |
| Professor or Associate Professor of Histopathology | MBBS with PhD, FCPS, MPhil, FRCPath, DABP AP/CP or equivalent |  |  |  |  |  |
| Assistant Professor of Histopathology | MBBS with PhD, FCPS, MPhil, FRCPath, DABP AP/CP or equivalent |  |  |  |  |  |
| Senior Demonstrator (Histopathology) | MBBS and having attended and passed the theory examination for MPhil pending defense of thesis. |  |  |  |  |  |
| Professor/Associate Professor/Assistant Professor of Haematology | MBBS with PhD, FCPS, MPhil, FRCPath, DABP(Hematopathology) or equivalent |  |  |  |  |  |
| Professor/Associate Professor/Assistant Professor of Chemical Pathology | MBBS with PhD, FCPS, MPhil, FRCPath, D(ABCC) or equivalent |  |  |  |  |  |
| Professor/Associate Professor/Assistant Professor of Microbiology | MBBS with PhD, FCPS, MPhil, FRCPath, D(ABMM) or equivalent |  |  |  |  |  |
| Laboratory Manager | MSc (MLT) or Graduate (4 years program) with 2 years’ experience |  |  |  |  |  |
| Laboratory Technologists (02) | Graduate (4 years program) |  |  |  |  |  |
| Computer Education | Bachelor of Computer Sciences |  |  |  |  |  |
| Biostatistics & Research Methodology | MSc (Biostatistics) or MPH |  |  |  |  |  |

**PART III**

**EQUIPMENT**

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| --- |
| **PATHOLOGY(Equipment)** |
|  | **Section** | **Min Required** | **Deficiency** | **Remarks Working/Not working** |
| **HISTOPATHOLOGY** |
|  | Cytopro Centrifuge | 1 |  |  |
|  | Automatic tissue processor | 1 |  |  |
|  | Embedding station | 1 |  |  |
|  | Automatic stainer | 1 |  |  |
|  | Microtome | 1 |  |  |
|  | Embedding Centre with Embedded Hot Plate | 1 |  |  |
|  | Cold Plate for Embedding Centre | 1 |  |  |
|  | Binocular Microscope | 2 |  |  |
|  | Microscope multi head(5 place) | 1 |  |  |
|  | Hot plate | 1 |  |  |
|  | Knife sharpener | 1 |  |  |
|  | Wax Dispenser | 1 |  |  |
|  | Staining Jars | 20 |  |  |
|  | Floating bath/Water Bath | 1 |  |  |
| **GENERAL GLASS WARE** |
|  | Pipette glass(Pyrex) graduated 2 ml | 2 in each section |  |  |
|  | Pipette glass(Pyrex) graduated 5 m1 | 2 in each section |  |  |
|  | Pipette glass(Pyrex) graduated 10 m1 | 2 in each section |  |  |
|  | Glass beaker (Pyrex) 100 ml graduated | 5 in each section |  |  |
|  | Glass beaker (Pyrex) 500 ml graduated | 5 in each section |  |  |
|  | Glass cylinder (Pyrex) 500 ml graduated | 5 in each section |  |  |
|  | Flask conical glass(Pyrex) graduate | 5 in each section |  |  |
|  | - 20 or - 40°C Freezer | At least 1 in Pathology |  |  |

**LIST OF BOOKS:**

* Robbins and Cotran Pathologic Basis of Disease Eighth Edition 2010.
* Rosai and Ackerman’s Surgical Pathology Tenth Edition 2012.
* Sternberg’s Diagnostic Surgical Pathology fifth Edition 2010.
* John D. Bancroft Marilyn Gamble Theory and Practical of Histologic Techniques Sixth Edition 2008.