

**MPHIL ROAD MAP PATHOLOGY**  
**ROAD MAP ALIGNED WITH HEC GEP POLICY**

**Semester 1**

| Sr. No.            | Pre-requisite Course Code                           | Course Code | Course Title                         | Credit Hours   |
|--------------------|-----------------------------------------------------|-------------|--------------------------------------|----------------|
| 1                  | Level 6<br>(MBBS/<br>BDS (except<br>Histopathology) | MED 701     | Research Methodology                 | 3+0            |
| 2                  |                                                     | MED 712     | Medical Biology & Genetics           | 2+0            |
| 3                  |                                                     | MED 713     | Medical Education, Ethics & Writing  | 2+0            |
| 4                  |                                                     | MED 714     | Instruments & Animal use in research | 2(1+1)         |
| 5                  |                                                     | MED 715     | Journal Club -I                      | No credit hour |
| 6                  |                                                     | MED 718     | Teaching Internship-I                | No credit hour |
| Total Credit Hours |                                                     |             |                                      | 9              |

**Semester 2**

| Sr. No.                   | Pre- requisite Course Code           | Course Code | Course Title                           | Credit Hours   |
|---------------------------|--------------------------------------|-------------|----------------------------------------|----------------|
| 1                         | Semester- I<br>PAT 740, 750* & 751** | PAT 740     | General Pathology & Basic Microbiology | 3 (2+1)        |
| 2                         |                                      | PAT 750     | Special Pathology*                     | 3 (2+1)        |
| 3                         |                                      | PAT 751     | Microbiology & Mycology**              | 3 (2+1)        |
| 4                         |                                      | XXXXXX      | Elective- I                            | 3 (1+2)        |
| 5                         | MED 715                              | MED 716     | Journal Club - II                      | No credit hour |
| 6                         | MED 718                              | MED 719     | Teaching Internship-II                 | No credit hour |
| <b>Total Credit Hours</b> |                                      |             |                                        | <b>9</b>       |

\*core subject course for Pathology (Histopathology) with PAT 750

\*\* Core subject course for Pathology (Microbiology) with PAT 751

**Semester 3**

| Sr. No.                   | Pre- requisite Course Code | Course Code | Course Title             | Credit Hours   |
|---------------------------|----------------------------|-------------|--------------------------|----------------|
| 1                         | PAT 740, 750* & 751**      | XXXXXX      | Elective-II              | 3+0            |
| 2                         |                            | XXXXXX      | Elective-III             | 3+0            |
| 3                         | -                          | THS 799     | Thesis-I                 | 3+0            |
| 4                         | MED 716                    | MED 717     | Journal Club -III        | No credit hour |
| 5                         | MED 719                    | MED 720     | Teaching Internship -III | No credit hour |
| <b>Total Credit Hours</b> |                            |             |                          | <b>9</b>       |

**Semester 4**

| Sr. No.                   | Pre- requisite Course Code | Course Code | Course Title | Credit Hours |
|---------------------------|----------------------------|-------------|--------------|--------------|
| 1                         | THS 799                    | THS 799     | THS 799      | Thesis-II    |
| <b>Total Credit Hours</b> |                            |             |              | <b>3</b>     |

**List of Elective Courses**

| Sr. No. | Pre- requisite Course Code | Course Code | Course Title                                                   | Credit Hours |
|---------|----------------------------|-------------|----------------------------------------------------------------|--------------|
| 1       | PAT 740,<br>750* & 751**   | PAT 742     | Tissue processing for histopathology                           | 3(1+2)       |
| 2       |                            | PAT 743     | Histopathology laboratory procedures & reporting               | 3(1+2)       |
| 3       |                            | PAT 744     | Endocrine & Renal disorders                                    | 3(1+2)       |
| 4       |                            | PAT 745     | Molecular pathology laboratory- related to tissue pathology    | 3(1+2)       |
| 5       |                            | PAT 746     | Microbiology laboratory procedures & reporting                 | 3(1+2)       |
| 6       |                            | PAT 747     | Molecular pathology laboratory- related to infectious diseases | 3(1+2)       |
| 7       |                            | PAT 748     | Virology                                                       | 3(1+2)       |
| 8       |                            | PAT 749     | Parasitology                                                   | 3 (1+2)      |