**PhD in Epidemiology**

**Prerequisite courses**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | | | | **time** | | | | **Prerequisite** |
| **Theoretical** | **Practical** | | **Total** | **Theoretical** | **Practical** | | **Total** |
| 01 | Medical Information System | 0.5 | | 0.5 | 1 | 17 | 9 | 26 | |  |
| 02 | Principles of epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 03 | Biostatistics methods(1) | 2 | |  | 2 | 34 |  | 34 | |  |
| 04 | Research Methodology | 1 | | 1 | 2 | 17 | 34 | 51 | |  |
| 05 | Basic Mathematical Statistics | 2 | |  | 2 | 34 |  | 34 | |  |
| 06 | Epidemiology of contagious diseases | 2 | |  | 2 | 34 |  | 34 | |  |
| 07 | Epidemiology1/methods | 2 | |  | 2 | 34 |  | 34 | |  |
| 08 | Apprenticeship |  | | 2 | 2 |  | 102 | 102 | |  |
|  | English for Epidemiology students | 2 | |  | 2 | 34 |  | 34 | |  |
|  | Mathematics in Epidemiology | 1 | |  | 1 | 17 |  | 17 | |  |
| **Total** | | **18** | | | | | | | | |

**Compulsory courses**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | | | | **time** | | | | **Prerequisite** |
| **Theoretical** | **Practical** | | **Total** | **Theoretical** | **Practical** | | **Total** |
| 09 | Epidemiology2/Scientific deduction in epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 10 | Epidemiology3/Clinical trials | 2 | |  | 2 | 34 |  | 34 | |  |
| 11 | Epidemiology4/ case control studies | 2 | |  | 2 | 34 |  | 34 | |  |
| 12 | Epidemiology5/Ecological Descriptive and cohort studies | 2 | |  | 2 | 34 |  | 34 | |  |
| 13 | Statistics2/Statistics in epidemiology | 3 | |  | 3 | 51 |  | 51 | |  |
| 14 | Epidemiology6/Systematic review and meta-analysis | 1 | | 1 | 2 | 17 | 34 | 51 | | 13,09 |
| 15 | Statistics3/Survival analysis | 2 | |  | 2 | 34 |  | 34 | |  |
| 16 | Qualitative methods | 2 | |  | 2 | 34 |  | 34 | |  |
| 17 | Seminar |  | | 1 | 1 |  | 34 | 34 | |  |
| 18 | Internship1 | 1 | |  | 1 |  | 68 | 68 | |  |
| 19 | Internship2 | 1 | |  | 1 |  | 68 | 68 | |  |
| 20 | Thesis |  | | 20 | 20 |  |  |  | |  |
| **Total** | |  | |  | 40 |  |  |  | |  |

**Mandatory courses**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | | | | **time** | | | | **Prerequisite** |
| **Theoretical** | **Practical** | | **Total** | **Theoretical** | **Practical** | | **Total** |
| 21 | Predictive models in epidemiology | 2 | |  | 2 | 34 |  | 34 | | 14,09 |
| 22 | Molecular and Genetic Epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 23 | Pharmaceutical Epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 24 | Epidemiology of nutrition | 1 | | 1 | 2 | 17 | 34 | 51 | |  |
| 25 | Epidemiology of accidents and disasters | 2 | |  | 2 | 34 |  | 34 | |  |
| 26 | Epidemiology of mother and child and fertility | 2 | |  | 2 | 34 |  | 34 | |  |
| 27 | Clinical Epidemiology | 1 | | 1 | 2 | 17 | 34 | 51 | |  |
| 28 | Hospital Epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 29 | AIDS epidemiology/HIV | 2 | |  | 2 | 34 |  | 34 | |  |
| 30 | Health Geography | 2 | |  | 2 | 34 |  | 34 | |  |
| 31 | Demographics | 2 | |  | 2 | 34 |  | 34 | |  |
| 32 | Social epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 33 | Health economics | 2 | |  | 2 | 34 |  | 34 | |  |
| 34 | Economic assessment | 2 | |  | 2 | 34 |  | 34 | | 33 |
| 35 | Knowledge Transfer in epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 36 | research Management | 2 | |  | 2 | 34 |  | 34 | |  |
| **Total** | |  | |  | 32 |  |  |  | |  |

**PhD in Epidemiology**

**First semester**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | | | | **time** | | | | **Prerequisite** |
| **Theoretical** | **Practical** | | **Total** | **Theoretical** | **Practical** | | **Total** |
| 07 | Epidemiology1/methods | 2 | |  | 2 | 34 |  | 34 | |  |
| 15 | Statistics3/Survival analysis | 2 | |  | 2 | 34 |  | 34 | |  |
| 13 | Statistics2/Statistics in epidemiology | 3 | |  | 3 | 51 |  | 51 | |  |
| 09 | Epidemiology2/Scientific deduction in epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 30 | Health Geography | 2 | |  | 2 | 34 |  | 34 | |  |
|  | English for Epidemiology students | 2 | |  | 2 | 34 |  | 34 | |  |
|  | Mathematics in Epidemiology | 1 | |  | 1 | 17 |  | 17 | |  |
| **Total** | | **14** | | | | | | | | |

**PhD in Epidemiology**

**Second semester**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | | | | **time** | | | | **Prerequisite** |
| **Theoretical** | **Practical** | | **Total** | **Theoretical** | **Practical** | | **Total** |
| 05 | Basic Mathematical Statistics | 2 | |  | 2 | 34 |  | 34 | |  |
| 10 | Epidemiology3/Clinical trials | 2 | |  | 2 | 34 |  | 34 | |  |
| 12 | Epidemiology5/Ecological Descriptive and cohort studies | 2 | |  | 2 | 34 |  | 34 | |  |
| 29 | AIDS epidemiology/HIV | 2 | |  | 2 | 34 |  | 34 | |  |
| 16 | Qualitative methods | 2 | |  | 2 | 34 |  | 34 | |  |
| 14 | Epidemiology6/Systematic review and meta-analysis | 1 | | 1 | 2 | 17 | 34 | 51 | | 13,09 |
| 01 | Medical Information System | 0.5 | | 0.5 | 1 | 17 | 9 | 26 | |  |
| 18 | Internship (1) | 1 | |  | 1 |  | 68 | 68 | |  |
| **Total** | |  | |  | 14 |  |  |  | |  |

**Third semester**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | | | | **time** | | | | **Prerequisite** |
| **Theoretical** | **Practical** | | **Total** | **Theoretical** | **Practical** | | **Total** |
| 11 | Epidemiology4/ case control studies | 2 | |  | 2 | 34 |  | 34 | |  |
| 27 | Clinical Epidemiology | 1 | | 1 | 2 | 17 | 34 | 51 | |  |
| 32 | Social epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 23 | Pharmaceutical Epidemiology | 2 | |  | 2 | 34 |  | 34 | |  |
| 19 | Internship (2) | 1 | |  | 1 |  | 68 | 68 | |  |
| 17 | Seminar |  | | 1 | 1 |  | 34 | 34 | |  |
| **Total** | |  | |  | 10 |  |  |  | |  |

**PhD in Epidemiology**

**Forth semester**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Course code** | **Name of Course** | **unit** | **time** | | | **Prerequisite** |
| **Theoretical** | **Practical** | **Total** |
| 20 | Thesis | 20 |  |  | 1-5 Semesters |  |