**DAE**

**WATER RESOURCES AND HYDROPOWER CONSTRUCTION ENGINEERING**

**Minimum Qualification of Teacher/ Instructor**

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| **First Year** | | |
| **S#** | **Course Name** | **Min Qualification** |
| 1 | Islamiat & Pakistan Studies | BA in Islamic Studies with 2-Years relevant experience in teaching/ industry |
| 2 | English | BA in English with 2-Years relevant experience in teaching/ industry |
| 3 | Chinese Language-1 | BA & HSK (intermediate level) with 2-Years relevant experience in teaching/ industry |
| 4 | Applied Mathematics-I | B.Sc. in Mathematics with 2-Years relevant experience in teaching/ industry |
| 5 | Applied Physics | B.Sc. in Physics with 2-Years relevant experience in teaching/ industry |
| 6 | Applied Chemistry | B.Sc. in Chemistry with 2-Years relevant experience in teaching/ industry |
| 7 | WRH 112Engineering Mechanics | DAE/BS.Tech/BE |
| 8 | WRH 122Building Materials and Testing | DAE/BS.Tech/BE |
| 9 | WRH 132 Water Resources Engineering Mapping and Drawing | DAE/BS.Tech/BE |
| 10 | WRH 142 Water Engineering Culture Education | DAE/BS.Tech/BE |
| 11 | WRH 152 Water Resources Engineering CAD Drawing Technology | DAE/BS.Tech/BE |

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| **Second Year** | | |
| **S#** | **Course Name** | **Min Qualification** |
| 1 | Islamiat & Pak Studies | BA in Islamic Studies with 2-Years relevant experience in teaching/ industry |
| 2 | Applied Mathematics-II | B.Sc. in Mathematics with 2-Years relevant experience in teaching/ industry |
| 3 | Business Communication | BA in English with 2-Years relevant experience in teaching/ industry |
| 4 | Chinese Language-2 | BA & HSK (intermediate level) with 2-Years relevant experience in teaching/ industry |
| 5 | Understanding China | BA & HSK (intermediate level) with 2-Years relevant experience in teaching/ industry |
| 6 | Engineering Hydrology and Water Resources Calculation | BE/BS/BS.Tech Electronics/ Studies with 2-Years relevant experience in teaching/ industry |
| 7 | WRH 212 Hydraulic Analysis and Calculation | DAE/BS.Tech/BE |
| 8 | WRH 223 Water-saving Technology | DAE/BS.Tech/BE |
| 9 | WRH232 Hydraulic Reinforced Concrete Structure | DAE/BS.Tech/BE |
| 10 | WRH 243 Engineering Geology and Foundation Basis | DAE/BS.Tech/BE |
| 11 | WRH 252 Water Resources Engineering Supervision | DAE/BS.Tech/BE |
| 12 | WRH 262 Water Resources Engineering Supervision | DAE/BS.Tech/BE |

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| **Third Year** | | |
| **S#** | **Course Name** | **Min Qualification** |
| 1 | Islamiat & Pak Studies | BA in Islamic Studies with 2-Years relevant experience in teaching/ industry |
| 2 | **Chinese-III (elective)** |  |
| 3 | WRH 312Water Resources Engineering Survey | BS.Tech/BE |
| 4 | WRH 322 Water Resources Engineering Building | BS.Tech/BE |
| 5 | WRH 332 Organization and Management of Water Resources Engineering Construction | BS.Tech/BE |
| 6 | WRH 343Water Resources Engineering Construction Technology | BS.Tech/BE |
| 7 | WRH 353 Cost and Bidding of Water Resources Engineering | BS.Tech/BE |
| 8 | WRH 362 Maintenance and Management of Water Resources Engineering | BS.Tech/BE |