**The framework of courses for M.Sc. degree in Watershed Engineering: Soil and Water Conservation**

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| ***1th semester*** | **Course type**  | **Code** | **Number of Courses** | **Prerequisite** |
| **Theoretical** | **Practical** | **SUM** |
| **Research Method** | **Major: Common** | **60-14-224** | **1** | **1** | **2** | **No** |
| **River Engineering** | **Major: Common** | **60-14-225** | **1** | **1** | **2** | **No** |
| **Integrated Watershed Management** | **Major: Common** | **60-14-226** | **1** | **1** | **2** | **No** |
| **Quaternary Formations** | **Major: Common** | **60-14-227** | **1** | **1** | **2** | **No** |
| **Erosion and Sediment Models** | **Major: Common** | **60-14-228** | **1** | **1** | **2** | **No** |
| **Urban Watershed** | **Major: Common** | **60-14-229** | **1** | **1** | **2** | **No** |
| **SUM** | **12** |  |

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| ***2th semester*** | **Course type**  | **Code** | **Number of Courses** | **Prerequisite** |
| **Theoretical** | **Practical** | **SUM** |
| **Biological Soil Erosion Control** | **Major: Subdiscipline** | **60-14-235** | **1** | **1** | **2** | **No** |
| **Applied Sedimentology** | **Major: Subdiscipline** | **60-14-236** | **1** | **1** | **2** | **No** |
| **Landslide** | **Major: Subdiscipline** | **60-14-237** | **2** | **-** | **2** | **No** |
| **Water Resources Management** | **Major: Subdiscipline** | **60-14-238** | **1** | **1** | **2** | **No** |
| **Snow and Avalanche** | **Major: Subdiscipline** | **60-14-239** | **1** | **1** | **2** | **No** |
| **Groundwater** | **Elective: Subdiscipline** | **60-14-256** | **1** | **1** | **2** | **No** |
| **Advanced GIS** | **Elective: Subdiscipline** | **60-14-246** | **1** | **1** | **2** | **No** |
| **SUM** | **14** |  |

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| ***3th semester*** | **Course type**  | **Code** | **Number of Courses** | **Prerequisite** |
| **Theoretical** | **Practical** | **SUM** |
| **Thesis (Qualitative)** | **Major: Subdiscipline** | **60-14-143** | **-** | **6** | **6** | **No** |
| **SUM** | **6** |  |

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| ***3th semester*** | **Course type**  | **Code** | **Number of Courses** | **Prerequisite** |
| **Theoretical** | **Practical** | **SUM** |
| **Thesis (Qualitative)** | **Major: Subdiscipline** | **60-14-143** | **-** | **6** | **6** | **No** |
| **SUM** | **6** |  |