**POKHARA UNIVERSITY**

**Masters of Science in Transportation Engineering and Management Program**

**Curricular Structure**

The program is designed to produce high level transport professional to formulate transport plans, policies at international, national and sub-national level and manage the transport projects. This is an interdisciplinary program especially designed for the Civil Engineers, so that they become able to make an effective contribution to the institutions and environment in which they work. The course has been designed to provide a fundamental understanding (in the field) of the social, economic, legal, communication as well as behavioral issues related to transport project execution process from conception to design and implementation (planning, construction) and operation and maintenance. The duration of the program is 2 years organized into 4 semesters. A student needs to successfully complete 45 credit hours of course work and 15 credit hours of research project for graduation.

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|  | **Semester I** |  |
| **Course Code** | **Course Title** | **Credit hours** |
| MNG 604 | Transportation Policy | 3 |
| TRE 611 | Transportation Networking | 3 |
| TRE 612 | Principles of Transportation Engineering | 3 |
| TRE 613 | Traffic Engineering  | 3 |
|  | Elective I | 3 |
|  |  |  |
|  | **Semester II** |  |
| **Course Code** | **Course Title** | **Credit hours** |
| TRE 621 | Transport Planning Methods | 3 |
| MNG 622 | Transportation Economics | 3 |
| TRE 622 | Transport Planning Studio  | 3 |
|  | Elective II | 3 |
|  | Elective III | 3 |
|  |  |  |
| **Semester III** |  |
| **Course code** | **Courses Title** | **Credit hours** |
| MNG 709 | Research Methods  | 3 |
| TRE 712 | Transport Safety | 3 |
| MNG 605 | Organization Behavior and Human Resource Management | 3 |
|  | Elective IV | 3 |
|  | Elective V | 3 |
|  |  |  |
| **Semester IV** |  |
| **Course Code** | **Courses Title** | **Credit hours** |
| TRE 721 | Thesis  | 15 |