# Approved Curriculum of B.Sc. Honours in Transport & Logistics Management Degree Programme
## Department of Transport & Logistics Management

*Effective from 2016 intake onward*

| Module Code | Module Name | Category | Lectures hrs. / weeks | Tutorial/Lab/Ass ignment hrs./weeks | Credit | | Norm | | Evaluation % | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | GPA | NGPA | GPA | NGPA | CA | FE |
| **Semester 1** | | | | | | | | | | |
| TL 1114 | Fundamentals of Transport & Logistics Systems | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL1124 | Mechanics in Transport | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 1014 | Transport Geography and Geomatics | C | 3 | 3 | 4 | | | | 60 | 40 |
| TL 1064 | Microeconomics | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| MA 1111 | Mathematics for Transport & Logistics I | C | 2 | 3 | 3 | | | | 40 | 60 |
| TL 1140 | Communication Skills I | C | 1 | 3 | 2 | | | | 100 | - |
| | | | | *Total for Semester 1* | **16** | **0** | **16** | **0** | | |
| **Semester 2** | | | | | | | | | | |
| TL 2054 | Multimodal Transport Networks | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 2044 | Data Collection and Processing | C | 1 | 6 | 3 | | | | 30 | 70 |
| TL 1024 | Macroeconomics and International Trade | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 1054 | Introduction to Business and Management | C | 3.5 | 1.5 | 4 | | | | 40 | 60 |
| MA 1121 | Mathematics for Transport & Logistics II | C | 2 | 3 | 3 | | | | 40 | 60 |
| TL 1160 | Communication Skills II | C | 1 | 3 | 2 | | | | 100 | - |
| TL 1904 | Outdoor Life Skills Training | C | - | - | | 1 | | | 100 | - |
| DE2241 | Humanities Elective I+ | E | 1.5 | 1.5 | | 2 | | | 100 | |
| | | | | *Total for Semester 2* | **17** | **3** | **17** | **3** | | |
| **Semester 3** | | | | | | | | | | |
| TL 4024 | Sustainability of Transport & Logistics | C | 1 | 3 | 2 | | | | 100 | - |
| TL 4054 | Transport Safety | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 2034 | Transport Policy and Economics | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 1044 | Financial and Management Accounting | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 2014 | Marketing Management | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 2154 | Social Behaviour | C | 1.5 | 1.5 | 2 | | | | 100 | - |
| TL2024 | Quantitative Methods in Transport & Logistics | C | 2 | 3 | 4 | | | | 40 | 60 |
| TL 1914 | Academic Writing | C | 1 | 3 | | 2 | | | 100 | - |
| | | | | *Total for Semester 3* | **17** | **2** | **17** | **2** | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | GPA | NGPA | GPA | NGPA | CA | FE |
| **Semester 4** | | | | | | | | | | |
| TL 2074 | Design and Operations of Transport & Logistics Facilities | C | 2 | 3 | 3 | | | | 100 | - |
| TL 2134 | Transport Planning and Demand Modelling | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 2104 | Principles of Supply Chain Management | C | 3.5 | 1.5 | 4 | | | | 40 | 60 |
| TL 3074 | Operations Management | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 2160 | Quality Management | C | 2 | 1 | 2 | | | | 40 | 60 |
| TL 2114 | Managerial Skills Development | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| CS 1810 | Fundamentals of Programming | C | 1 | 3 | 2 | | | | 100 | - |
| TL 2904 | Community Development Project | C | - | 3 | | 1 | | | 100 | - |
| | | | | ***Total for Semester 4*** | **20** | **1** | **20** | **1** | | |
| **Module Code** | **Module Mane** | **Category** | **Lectures hrs. / weeks** | **Tutorial/Lab/Assignment hrs./weeks** | **Credits** | | **Norm** | | **Evaluation %** | |
| | | | | | GPA | NGPA | GPA | NGPA | CA | FE |
| **Semester 5** | | | | | | | | | | |
| TL 3100 | Land Transport | C | 3.5 | 1.5 | 4 | | | | 40 | 60 |
| TL 3044 | Maritime Transport | C | 3.5 | 1.5 | 4 | | | | 40 | 60 |
| TL 3034 | Air Transport | C | 3.5 | 1.5 | 4 | | | | 40 | 60 |
| TL 3180 | Supply Chain Analytics | C | 3.5 | 1.5 | 4 | | | | 40 | 60 |
| TL 3014 | Operations Research in Transport & Logistics | C | 3 | 3 | 4 | | | | 40 | 60 |
| TL 3905 | Career Development Seminars | C | 1 | 3 | | 2 | | | 100 | - |
| | | | | ***Total for Semester 5*** | **20** | **2** | **20** | **2** | | |
| **Industrial Training** | | | | | | | | | | |
| TL 3994 | Industrial Training | C | - | - | | 6 | | 6 | 100 | - |
| | | | | ***Total for Industrial Training*** | | **6** | **0** | **6** | | |
| **Semester 6** | | | | | | | | | | |
| TL 4204 | Research Project* | C | - | 12 | 2 | | | | 100 | - |
| TL 4864 | Business Planning Project* | C | - | 6 | 1 | | | | 100 | - |
| TL 4904 | Research Methodologies for Transport & Logistics | C | 1 | - | | 1 | | | 100 | - |
| TL 3024 | Entrepreneurship | C | 1.5 | 1.5 | 2 | | | | 100 | - |
| TL 2084 | Occupational Health and Safety | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| DE2XXX | Humanities Elective II+ | E | 1.5 | 1.5 | 2 | | | | 100 | |
| | | | | ***Total for Semester 6*** | **9** | **1** | **9** | **1** | | |

**Semester 7**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| TL 4204 | Research Project* | C | - | 6 | 2 | | 12 | | 100 | - |
| TL 4864 | Business Planning Project* | C | - | 3 | 1 | | | | 100 | - |
| TL 4064 | ICT for Transport & Logistics Operational Systems | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 4080 | Strategic Procurement Management | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 3084 | Human Resource Management | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 4074 | Business Law | C | 1.5 | 1.5 | 2 | | | | 100 | - |
| TL 4334 | Transport Infrastructure Investment | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4420 | Freight Transport Systems | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4224 | Port Operations & Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4430 | Airport Operations and Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4254 | Aviation Technology and Operations | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4214 | Inventory and Warehouse Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4960Δ | Advanced Operations Research in Transport and Logistics | E | 1.5 | 4.5 | 3 | | | | 40 | 60 |
| TL 4970Δ | Rail Transport Operations Management | E | 2.5 | 1.5 | 3 | | | | 100 | - |
| MA 4042 | Neural Networks and Fuzzy Logic | E | 2.5 | 1.5 | 3 | | **6 | | 30 | 70 |
| | | | | *Total for Semester 7* | 30 | 0 | 18 | 0 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | GPA | NGPA | GPA | NGPA | CA | FE |
| **Semester 8** | | | | | | | | | | |
| TL 4204 | Research Project* | C | - | 6 | 2 | | | | 100 | - |
| TL 4864 | Business Planning Project* | C | - | 6 | 2 | | | | 100 | - |
| TL 4090 | ICT for Transport & Logistics Management Systems | C | 1.5 | 1.5 | 2 | | | | 40 | 60 |
| TL 4014 | Strategic Management and Corporate Planning | C | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4044 | Project Management | C | 2.5 | 1.5 | 3 | | 12 | | 40 | 60 |
| TL 4234 | Passenger Transport Systems | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4440 | Urban Transport | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4284 | Shipping Operations and Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4324 | Port Planning | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4264 | Airport Planning and Design | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4274 | Airline Operations & Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4314 | Strategic Supply Chain Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4450 | Supply Chain Risk Management | E | 2.5 | 1.5 | 3 | | | | 40 | 60 |
| TL 4960Δ | Advanced Operations Research in Transport and Logistics | E | 1.5 | 4.5 | 3 | | | | 40 | 60 |
| TL 4970Δ | Rail Transport Operations Management | E | 2.5 | 1.5 | 3 | | **6 | | 100 | - |
| MA 4033 | Time Series and Stochastic processes | E | 2.5 | 1.5 | 3 | | | | 30 | 70 |
| | *Total for Semester 8* | | | | 39 | 0 | 18 | 0 | | |
| | *Total for Programme* | | | | 171 | 15 | 135 | 15 | | |

\* - Total Credits are distributed over Semester 6, Semester 7 and Semester 8

\** - Minimum 12 credits in total

\+ - Weekly load of lectures and lab/assignments vary among different Non-Technical modules

Δ - Offering Semester will either be Semester 7 or Semester