

	OPS1 Introduction to Operations Management	OPS2 Rail Infrastructures	OPS3 Networked and Localised Train Control	OPS4 Train Planning	OPS5 Passenger and Freight Operations	OPS6 Rail Operations, Risk Management & Administration
Duration	Term 1 (Mar - Jun)	Term 2 (Jul - Oct)	Term 3 (Nov - Feb)	Term 4 (Mar - Jun)	Term 5 (Jul - Oct)	Term 6 (Nov - Feb)
Week 1	Module 1 Introduction to Rail Operations Management Module 1.1 Rail Operation in the Context of Transport And Logistics	Module 1—Course overview and reflection	Module 1—Principles of Train Control	Module 1—Train Planning and Performance	Module 1 - Industry based service delivery	Module 1 - Risk management techniques (including cost benefit analysis)
Week 2	Module 1.2 Railway Safeworking	Module 2—RAMS (Reliability, Availability, Maintainability, and Safety)				
Week 3	Module 2.1 Fixed assets					
Week 4	Module 2.2 Rollingstock Module 2.3 Train Planning		Module 2—Disruption management	Module 2—Human Resource Management in Train Running	Module 2 - Passenger and freight operations issues	Module 2 - Business Continuity Management – What Why and How
Week 5	Module 2.4 Train Crewing	Module 3—Rail operations assets and their management		Module 3—Opportunity management and Special events planning in Train Planning	Module 3 - Managing external relationships	
Week 6	Module 2.5 Network Control		Term Break - catch up week	Term Break—catch up week	Term Break—catch up weeks	Term Break—catch up weeks
Week 7	Module 2.6 Station, Yard and Terminal Management	Module 4—Wheel rail interface and its management	Module 3—Emergency Planning Preparedness, Response and Recovery	Module 3—Opportunity management and Special events planning in Train Planning	Module 4 - Operation in a multi-operator environment	Module 3 - Managing safety accreditation
Week 8	Module 3 Introduction to Demand and Performance Analysis	Module 5—Control and communications technology		Module 4—Optimal Train Planning strategy	Module 5 - Performance in rail operation & Strategies to achieve best performance	Module 4 - Project and Contract Risk Management
Week 9	Module 4 Overview of Rail Business Financing (Including PPP)		Module 4—Rail safety Investigation and reporting	Module 5—Role of Leadership	Module 6 - Case studies & critique	
Week 10	Module 5 Human Factors in Rail Operation					General review and catch up
Week 11	Module 6 Introduction to Change Management					
Week 12	Module 7 Future of Rail Operation					
Week 13						

Safety in rail Operations	Railway infrastructure & Asset management	People Management & leadership	Market analysis & Finance management
Operations Planning & management		Managing external relationship	Rail Business Management