

Topic Master Thesis	Supervisor	Required courses	Preferred courses
BIM; 5D planning; digitization; supply chain	Adriaanse, A.	BIM and 5D planning; Construction Supply Chains and Digitization	
Sustainability and Circularity; sustainable materials; sustainable infrastructure; LCA; LCC	Bhochhibhoya, S.	Sustainability and Circularity in Civil Engineering	Systems Engineering in Construction; Infrastructure asset management
Procurement strategies; tendering; governance; client-contractor relationships	Boes, H.	Procurement Strategies and Tendering	Legal & Governance; Construction Process Management
Decision making; Financial management	Van Buiten, M.	Planning & process management; Construction process management	Infrastructure Asset Management; Procurement Strategies and Tendering
Construction industry; construction organisations; collaboration; innovation	Dorée, A.	Construction Industry Dynamics OR Construction Process Management	Construction Industry Dynamics OR Construction Process Management
Value Management	De Graaf, R.	Value Management; Construction Process Management	Infrastructure Asset management; Sustainability and Circularity in Civil Engineering
Systems Engineering	De Graaf, R. and Van den Berg, M.	Systems Engineering in Construction; Construction Process Management	Infrastructure Asset management; Sustainability and Circularity in Civil Engineering
Infrastructure (asset) management; maintenance planning; maintenance procurement; risk management; structural health monitoring; organizational learning; public-private partnerships	Hartmann, A	Infrastructure Asset Management; Experiments in Water Infrastructure	Subsurface Infrastructure Engineering; Procurement Strategies and Tendering; Simulation and Optimization of Construction Processes
Sustainability; circularity; road construction; asphalt	Ter Huerne, H.	Sustainability and Circularity in Civil Engineering	Systems Engineering in Construction; Construction Supply Chains and Digitization
Technology and Innovation in Road Construction; sensors; asphalt; simulation; optimization	Miller, S.	Digital Technologies in Construction; Technology and Innovation in Road construction; Simulation and Optimization of Construction Processes	Infrastructure Asset Management
BIM; subsurface projects	Olde-Scholtenhuis, L.	Digital technologies in construction; BIM and 5D planning	Subsurface Infrastructure Engineering
Sustainability and Circularity; assessment methods; decision Making	Oliveira dos Santos, J.	Sustainability and Circularity in Civil Engineering	Infrastructure Asset Management OR courses involving operation research techniques
Project management; International Projects; Culture in construction;	Tijhuis, W.	Construction Process Management; Culture in Construction	
BIM-related projects; simulations; optimization	Vahdatikhaki, F.	Digital technologies in construction; BIM and 5 D modeling	Simulation and Optimization of Construction Processes; Subsurface Infrastructure Engineering

Climate adaptation, urban planning, resilience, area development, knowledge management, learning, governance, policy implementation, stakeholder participation.	Vinke-de Kruijf, J.	Sustainability and Circularity in Civil Engineering	Experiments in Water Infrastructure; Planning and Process Management
Supply chain, digitization of supply chain; Procurement; BIM maturity	Voordijk, J.	Construction Supply Chains and Digitization; BIM and 5D planning	Procurement Strategies and Tendering