

Education by dr. Jaap Vleugel

Course ID	From	Level	Product	Valorisation	Teams	Single	Manager	Chair	Supervisor	Advisor	Grade	Prep	Proj	Exam	Passed successfully
TUD															
BSA Cie	2021	Bachelor								y					
CT3200	2017	Minor	Report		y		y		y		y				230
TIL5050	2013	Master	Report	y	y		y	y	y		y	3	13		890
TIL5060	2013	Master	Thesis	y		y		y	y	y	y	2	10	2	86
TIL Website/BS	2015	Master					y								
ME54035	2010	Master	Thesis	y		y					y				37
MT54035	2021	Master	Thesis	y		y					y				3
AR3CS100	2020	Master	Essay	y	y	y			y		y				1
AE5322	2024	Master	Thesis	y		y		y	y		y		1		
CEE5007	2021	EngD	Report	y		y	y	y	y		y	6	2		15
TUD & WUR															
YMS80330	2022	Master	Thesis	y		y		y	y		y				19
															1281

TILexams

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
2	1	2	3	7	9	5	9	10	14	11	15				

TIL5060 thesis: EXAMS

[87] Hugo Vaartjes, *Food waste reduction through improved quality control process, A case study at Riedel B.V.*, 12-12-2024, Delft. {Quality Control Process / Food waste management}

[88] Bruno Nijdam, *Comparing Distribution Strategies to Achieve Peak Shaving at Occupancy Levels of the Baggage Handling System of an Airport*, 13-12-2024, Delft. {Cargo handling / Asset management / Airport operations}

TIL5060 thesis: PROJECTS

[Logistic topics]

Joris Schuurung, *Optimizing Empty Container Repositioning, A Case Study of Royal FloraHolland's Logistics*, Delft. {Reverse logistics / Packaging logistics}

Harald Rensink, *TATA Steel network management & development*, Delft. {Rail logistics}

Stijn Küppers, *Forecasts and storage optimization*, project for Hapag-Lloyd, Delft. {Reverse logistics / Forecasting}

Margot van Eck, *Introduction EV Trucks: Case Study PostNL*, Delft. {Logistics / Asset management / Fuels}

Yolande Muris, *Pharmaceutical Supply Chain: Adapting to shortages*, Mosadex Group, Delft. {Medicine logistics}

Education by dr. Jaap Vleugel

Pauline Slieker, *Optimizing Component Availability by Managing the Inflow of US Parts in the Internal Shops, A Simulation-Based Case Study at KLM*, KLM E&M, Delft. {Logistics / Maintenance planning}.

Maxime van Berkum, Prefab building logistics, Districon, Delft. {Building construction logistics}

[Smart maintenance]

Khalid Asshab, *Optimising Maintenance strategies for insulated joints; comparison study of conventional strategies and feasibility study towards new alternative maintenance strategies. A case study at Asset Rail*, Delft. {Maintenance / Railway engineering}

[Waste management]

Pien Biersteker, *Resource Policy: From Waste to Resources - Innovative Waste Management in the Dreven, Gaarden, and Zichten Neighborhoods of The Hague*, Sweco, Delft. {Waste management / Waste policy}

TIL5060 thesis: Kick-off planned

Lara de Geus, Gate cleaning process at Schiphol, Delft. {Logistic services}

Maartje van den Broek, Aircraft tire replacement process, KLM E&M, Delft. {Airport operations / Maintenance}

TIL5060 thesis: Preparation

TIL5060 thesis: Advisory

Dries van Meerwijk, Mammoet.

Tessa van der Hulst, Supply chain management, P&G. {Supply chain management}

AE5322 SAT thesis: Project

Klaas Sicking, *Predictive Modeling for Supply Management of Broken RTIs, Developing Optimal Relocation Planning Strategies*, Container Centralen {Supply Chain Management / Asset management}, Delft.

TIL5060 thesis: Lost contact

Bilal Abou Hashish, *Analysis & Optimization of Inter-Island Logistics, Case Study for End-to-End Maritime Motorcycle Supply Chain in Indonesia, project for STC / PT Pelindo Multi Terminal*, Delft. {Port economics / Logistics}

MSc TIL graduates

[2025: ..]

[2024: 15]

[86] Yannick Hogers, *Assessing the impact of charging operations on electric lift automated guided vehicles. A simulation study at APM Terminals MVII*, 22-10-2024, Delft. {Asset management / Container terminals / Emerging technologies / Fuels}

[85] Wouter Diebels, *Streamlining conceptual warehouse design: A modular framework approach*, Districon, 21-10-2024, Delft. {Logistics / Warehouse design}

[84] Mayke van der Kroft, *Approaches to mitigate the impact of pre-carriage barging unreliability on export supply chains, A case study at Heineken Netherlands Supply*, 01-10-2024, Delft. {Logistics / barge transport}

[83] Ivar Krijger, *Modelling the optimal inventory distribution of cocoa beans over warehouses, A case-study at Cargill's cocoa beans supply chain in Western-Europe*, 26-09-2024, Delft. {Supply Chain Management / Raw materials}

[82] Bart Szarszewski, *Predictive Analytics of Defective Machinery Parts in Reverse Supply Chain: A Case Study at ASML*, 26-08-2024, Delft. {Reverse logistics / Component quality management}

[81] Zipporah Gerstenbluth, *Decentralized off-grid PV hydrogen production based on small-capacity electrolyzers, Determining the System LCOH - a case study for 6 kW electrolyzers*, 23-08-2024, Delft. {Sustainable energy production / Logistics}

[80] Erik Smit, *Improvement of Productivity by Optimized Scheduling under higher Utilization in Make-To-Order Environments*, Nutreco, 20-08-2024, Delft. {Logistics / Facility location}

[79] Katharina Berger, *Transforming from a paper-based to a digital delivery process, A Study at Coca-Cola Europacific Partners*, 10-06-2024, Delft. {Logistics / Digital supply chain}

[78] Sven Donders, *Sustainable Last-Mile Logistics: Designing Reliable and Cost-Effective CO₂-Neutral Delivery Solutions*, project for Coolblue, 21-05-2024, Delft. {Sustainable transport / Asset management / Logistics}

[77] Jelle van Leeuwen, *Supply chain procurement performance evaluation, A case study on Heineken*, 11-04-2024, Delft. {Supply chain management / FMCG}

[76] Wisse Koopal, *Redesign of the Car Distribution Process: a Dutch case study. A Holistic Approach in a Capacitated Vehicle Routing Problem to Reduce Direct CO₂ Emissions*, project for Pon Automotive, 27-03-2024, Delft. {Supply chain management / automotive logistics}

[75] Anouk Gerritsen, *Creating a continuous outbound flow at the flower auction. A case study at Royal FloraHolland Naaldwijk*, project for Royal Flora Holland, 05-03-2024, Delft. {Supply chain management / Flower logistics}

[74] Thomas van Muiden, *Strategic Development for the Port of St. Eustatius: A Study on the Potential Role of Privatisation*, 11-01-2024, Delft. {Port development / Privatization}

[2023: 11]

[73] Machteld Rouwé, *improving decision-making to reduce downtime caused by equipment breakdown during offshore wind installation projects*, project for Heerema (HES), 21-12-2023, Delft. {Logistics / Maintenance / Sustainable energy}

[72] Koen Schukinck Kool, *Stacking yard process optimization in prefab concrete pile manufacturing, A simulation-based case study at Voton*, 7-12-2023, Delft. {Yard management / Scheduling}

[71] Lars van Biezen, *An assessment of the compatibility between the Flying V design and the airport turnaround process*, 29-11-2023, Delft. {Airport operations / Emerging technologies}

[70] Manuela Hooghwerff, *Design of an Information System for a Control Tower to optimally Orchestrate Transport Orders*, project for NedCargo, 1-11-2023, Delft. {Logistics / Information / Warehouse management}

[69] Emmeline Batenburg, *CO2 reduction in construction of infrastructure projects by changes in the design: A case study on a bridge of Rijkswaterstaat*, project for PwC, 9-10-2023, Delft. {Infrastructure planning / Environmentally sustainable design}

[68] Susanne Zaal, *Improving the inbound system at fulfillment centers. What strategies can be designed to eliminate non-unloaded rejected trucks at fulfillment centers?*, 27-9-2023, Delft. {Logistics / Trucking / Warehouse management}

[67] Pieter Clemens, *To tow or not to tow? A social cost-benefit analysis of engine-off dispatch aircraft towing at Amsterdam Airport Schiphol*, project for KLM, 28-08-2023, Delft. {Airport operations / Emerging technologies}

[66] Tijn Veen, *Understanding the environmental impact of product returns in the fashion industry, The development of a Composite Indicator to provide insights into the environmental and economic performance of product returns for fashion companies*, project for Metyis, 11-07-2023, Delft. {Logistics / Sustainable fashion}

[65] Tim Elbers, *Design of a multi-attribute inventory classification method for fast-moving consumer goods, A case study at Heineken Nederland Supply*, 21-06-2023, Delft. {Logistics / Inventory strategies/ FMCG}

[64] Daan Duthilh, *Reduce idle time for automated storage and retrieval systems, A Coolblue Case Study*, 07-06-2023, Delft. {Logistics / Warehouse automation / Information}.

[63] Thomas Teunisse, *The potential of autonomous charging for EV fleet operators*, project for RocSys, 20-04-2023, Delft. {Asset management / Container terminals / Emerging technologies / Fuels}

[2022: 14]

[62] Maikel Blom, *Potential of the E-Pusher as Transport Mode in the Dutch Carbon Capture and Storage System*, project for Kotug, 22-12-2022, Delft. {Sustainable barge transport / Maritime innovations}

[61] Rinke Jebbink, *The design of a 'water droplet'-based ufp mitigation system at airports*, project for Schiphol Group, 20-12-2022, Delft. {Airport operations / Emerging technologies}

[60] Mike van der Meer, *Machine learning applications in supply chain management: A case study at MPO*, 08-12-22, Delft. {Supply chain management / Big data analytics}

[59] Laurens Gerlach, *Research on improving quay crane performance by predicting its cycle time taking the location of the (un-)loaded containers into account, A case study at APM Terminals Maasvlakte II*, 31-10-2022, Delft. {Container handling / Optimization}

[58] Daan Emmerig, *Towards sustainable logistics by evaluating the performance of carbon reduction strategies using a backcasting approach*, project for Heineken HNS, 24-10-2022, Delft. {Sustainable logistic strategies} /Cum Laude/

[57] Arthur van Bruggen, *Integrated inventory and warehouse operations model of aviation standard parts under a cap-and-trade policy*, project for Fokker Services, 10-10-2022 Delft. {Inventory management / Sustainable parts handling}

[56] Teddy de Jong, *Steering on mobility hubs: exploring the potential of an adaptive policy to guide the development of mobility hubs towards societal goals*, project for TNO, Delft, 26-09-2022. {Smart mobility}

[55] Marinke Ziedses des Plantes, *ZeroEmission Airside 2030 Backcasting Study at Rotterdam The Hague Airport*, Delft, 15-09-2022. {Airport development / Emerging technologies}

[54] Jonathan Imang, *Design and assessment of public transport policies for Greater Paramaribo*, Delft, 01-08-2022. {Public transport / Network optimization}

[53] Willem-Jan Eil, *The Impact of Order Characteristics Uncertainty on Different Configurations of the Outbound Logistics of a 3PL Warehouse*, study for NedCargo, Delft, 01-06-2022. {Logistics / DC design simulation}

[52] Claire Post, *Towards optimized customer segmentation parameters to reduce Cost-to-Deliver and Environmental Costs, A Case Study on Royal Philips*, Delft, 06-04-2022. {Logistics / Service optimization}

[51] Christine van Diemen, *Flash deliveries: value adding business model or societal nightmare? A qualitative research on the effects of flash delivery on the livability of Amsterdam*, study for Deloitte, Delft, 30-03-2022. {Logistics / Livability impact}

[50] Michiel Roos, *Managing car traffic by smart mobility hubs, towards effective policy making*, Delft, 29-03-2022. {Traffic management concepts}

[49] Michiel Nanninga, *Export costs and service conditions in times of a global container shortage, A case study for Heineken Netherlands Supply*, Delft, 15-03-2022. {Logistics / Asset management / Finance}

[2021: 10]

[48] Andrian Supryanto, *Redesign of reverse supply chain strategies for returnable packaging, A case study at Prysmian Group The Netherlands*, Delft, 23-12-2021. {Reverse logistics / Asset management}

[47] Jet Dijkzeul, *Exploring the reduction of lost parcels in the logistic chain, A case study at Bol.com*, Delft, 16-12-2021. {Logistics / Lost parcels}

[46] Jules Boelhouver, *Towards an optimal distribution of lease bicycles, A case study at Swapfiets*, Delft, 02-12-2021. {Logistics / Asset management}

[45] Erik Hadders, *Incorporating interdependence into a decision support framework for the renewal of hydraulic infrastructure, A case study at Zoutkampstudy for TAUW, Delft, 2-12-2021.* {Water management / Asset management}

[44] Israe Chetouani, *Exploring integrated hubs, An exploratory study into the possibility of allocating logistics functions to mobility hubs*, study for AT Osborne, Delft, 29-11-2021. {Logistics concepts} – TRB congress paper.

[43] Hidde van Wezel, *Conceptual Design of a Parcel Hub Scheduling Process to Balance the Inbound Transportation Flow, a casestudy at DPD Veenendaal*, Delft, 16-11-2021. {Logistics / Scheduling}

[42] Quirine van Rooyen, *Towards a zero defect based assembly warehouse, A case study at DHL Supply Chain Bergen op Zoom*, Delft, 26-08-21. {Logistics / Assembly / Performance}

[41] Anne van Langevelde, *Designing a strategic process performance measurement system for the Dutch Flower Auctions*, study for Royal Flora Holland, Delft, 24-08-21. {Logistics / Performance / Management}

[40] Julius Scheepens, *Modelling the optimal customer-allocation in an edible oil supply chain network, A case-study at Cargill's fully refined rapeseed oil network in Western-Europe*, Delft, 26-05-21. {Logistics / Food / Finance}

[39] Vittorio Mandolesi, *Evaluating transport and warehousing costs savings opportunity through direct delivery implementation in a supply chain distribution structure with DCs: Case study at Philips coffee business*, Delft, 26-05-21. {Logistics / Non-food / Finance}

[2020: 9]

[38] Peter Joon, *Improving on-site logistics, The case of the on-site transportation planning of Tata Steel IJmuiden*, study for ORTEC. Delft, 15-12-2020. {Logistics / Planning}

[37] Stefan van Lier, *Optimizing solid waste management in theme parks, A case study at Efteling*, Delft, 04-11-2020. {Waste management / Sustainability}

[36] Max Buirma, *Ship based carbon capture storage and utilisation, A roadmap towards implementation for large LNG powered offshore vessels*, study for Heerema Contractors, Delft, 29-10-2020. {Sea shipping / Fuels / Sustainability} – Journal paper: energies-15-00813-v2

[35] Frank Heins, *Freight traffic on the Dutch railway network in 2030 and 2040*, study for DB Cargo Nederland, 29-09-2020. {Rail freight network analysis}

[34] Joost de Graeff, *Determining the feasibility of a new airport passenger terminal concept based on seamless flow technology, Mixing domestic and international passengers in passenger terminal facilities*, study for NACO, Delft, 20-08-2020. {Airport operations optimization}

[33] Ward de Jong, *Towards smart transport infrastructure, A concept roadmap to implement smart transport infrastructure for movable bridges in the Netherlands*,

study for Witteveen + Bos, Delft, 17-08-2020. {Asset management / Infrastructure planning}

[32] Iris Vendrik, *Strategies to regulate inbound logistics at convention centers, A case study of the RAI Amsterdam*, Delft, 01-07-2020. {Logistics / Area management}

[31] Tugba Uzel, *Information sharing and collaboration between the logistic partners of intermodal rail transport*, study for Port of Rotterdam Authority, Delft, 25-06-2020. {Port rail logistics / Cooperation}

[30] Willemijn van der Elst, *Towards continuous flow in production lines, A case study at Heineken Zoeterwoude*, Delft, 13-05-2020. {Logistics optimization}

[2019: 5]

[29] Jacob Thijssen, *How can financiers improve the carbon efficiency of their shipping portfolios. Case study at NIBC Bank*, Delft, 31-11-2019. {Sea shipping / Sustainability / Finance}

[28] Thomas Mulder, *How to increase local value added and make the supply chain of cashew nuts more sustainable*, study for TDG, Delft, 11-07-2019. {Logistics / Food / Sustainability}

[27] Tim van Rugge, *A-Pier Clean VOP Developing a strategy for on-time cargo delivery to the aircraft under clean apron conditions*, study for KLM Cargo, Delft, 24-06-2019. {Airport development}

[26] Jasmijn Kusters, *Exploring improved maintenance strategies of (rgs) at the intersection of principal-agent theory and economic relevance: A case study*, Delft, 09-05-2019. {Public transport / Asset management / Maintenance}

[25] Ilias Bouhannouche, *Evaluating the operational and financial feasibility of battery-electric AGVs at brownfield container terminals*, study for ECT, Delft, 07-02-2019. {Container handling / Asset management / Sustainability}

[2018: 9]

[24] Evangelos Giannoulakis, *Optimizing Packaging Availability for Reverse Logistics, A case study at ASML*, Delft, 10-12-2018. {Reverse logistics / Maintenance}

[23] Dioeke Tromp, *Airside vehicles: Roads to CO2 reduction The design of an Emission-Prediction-Decision Model (EPDM)*, Delft, 12-11-2018. {Airport / Asset management / Sustainability}

[22] Thomas van der Heijden, *Supply Chain Design for Heineken Flexbrewery*, Delft, 22-10-2018.

[21] Hadassa Stevens, *Towards an adequate methodology for GHG emissions accounting in logistics, A case study at Heineken*, Delft, 1-10-2018. {Logistics accounting / Sustainability}

[20] Hester Horn, *Decision support system design by means of a Customer Relationship Management strategy, Application in the retail banking industry*, Delft, 16-08-2018. {Financial decision-making}

[19] Rutger van Ouwerkerk, *Environmental network optimisation using Physical Internet logistics in the parcel delivery industry*, study for Post.nl, Delft, 31-07-2018. {Logistics / Sustainability}

[18] Wouter Cordesius, *Improve distribution network of BMN Bouwmaterialen*, Delft, 25-04-2018. {Logistics network optimization}

[17] Harmen Scholvinck, *Outbound logistics at Lidl DC, What process improvement can be implemented to achieve higher productivity?*, Delft, 18-04-2018. {Logistics improvements}

[16] Joke Blom, *Optimizing the track and traceability of packaging materials, a case study at Heineken HNS*, Delft, 22-01-2018. {Logistics optimization}

[2017: 7]

[15] Rex van Damme, *Product allocation strategies in a saturated distribution center, Case study at the L'Oreal distribution center (Alphen a/d Rijn)*, Delft, 29-11-2017. {Logistics}

[14] Max Mol, *Design of an End-State Cross Docking Hub for a Pure Online Grocer, A case study at Picnic Supermarkets*, Delft, 23-10-2017. {Logistics network / Customer-driven}

[13] Simone Rietbroek, *A service level optimization - A case study at HEMA logistics*, Delft, 17-10-2017. {Logistics optimization}

[12] Anna Simons, *Strategic positioning of the customer order decoupling point in a project based organization*, study for Vanderlande, Delft, 27-09-2017. {Logistics decision-making}

[11] Katharina Peer, *The impact of pre-sorting and conveyor configuration on material flow performances at a parcel hub, A case study at TNT Express*, Delft, 26-06-2017. {Logistics / DC technology}

[10] Robin van der Sande, *Analysis of filler dwell time and the financial consequences for Euro Pool System*, Delft, 09-05-2017. {Logistics / Asset management / Finance}

[9] Joris Jacquemijns, *Improving the lead-time for ACD products in the distribution center of L'Oreal located in Alphen aan den Rijn*, Delft, 23-03-2017. {Logistics optimization}

[2016: 3]

[8] Jaap van der Steenhoven, *Optimizing Logistic Flows at Action DC Echt*, Delft, 04-10-2016. {Logistics optimization}

Education by dr. Jaap Vleugel

[7] Dino Ramic, *CTT Rotterdam case study: development and improvement of the tri-modal inland container terminal at Rotterdam*, Delft, 28-09-2016. {Container terminal development}

[6] Anniek de Milliano, *A supply concept for the delivery process of nanostores at NS train stations*, Delft, 18-08-2016. {City logistics}

[2015: 2]

[5] Nadezda Iakovleva, *Development of impact assessment methodology for sustainable city logistics initiatives: case of SMARTFUSION project*, Delft, 2015. {City logistics / Sustainability}

[4] Daphne Kerpel, *Analysis of main factors in site selection for Distribution Centers in a port area and the hinterland*, Delft, 22-06-2015. {Logistics / DC location choice}

[2014: 1]

[3] Celenie Piccot, *Influence of the performance of hinterland transportation in port choice decision making*, Delft, 08-01-2014. {Freight transport / Hinterland}

[2013: 2]

[2] Roger Peeters, *Green City Distribution*, Delft, 2013. {City logistics}

[1] Erik Altena, *Optimization of modal shift and empty container repositioning at Maersk Line*, Delft, 08-04-2013. {Freight transport / Empty container management}

MSc Thesis advisor 2013+

Msc TIL

Neal de Vreede, *Improving performance of cargo acceptance process at Air France - KLM Cargo*, Delft, Delft, 09-03-2017. {Air freight handling}

Msc Strategic Product Design / IDE

Melanie Rumpf, *An innovation approach towards sustainable mobility in 2035, creating strategy for Embraer*, September 2019. {Aviation / Sustainability}

Bsc Thesis advisor 2013+

Kirsten Cordula Wittig, *met de TEN naar de grens en weer terug? Problematiek rond de grensoverschrijdende infrastructurele projecten Betuweroute en de hogesnelheidslijn*, Bachelor scriptie Planologie, Universiteit van Amsterdam, 23-06-2013. {Cross-border rail freight services / Bottlenecks}

CIE4040-09 Internship supervisor 2015-2022

Education by dr. Jaap Vleugel

[4] Tijn Voorkamp, *Privatization/commercialization of the air- and seaport*, Directorate of Transport, St. Eustatius, 25-07-2022. {Air-, sea transport / Finance / Regulation / Policy-making}

[3] Matthijs Baurichter, *Feasibility measurement model for rail PPS in developing countries*, UIC, Paris, 26-07-2019. {Rail transport / Finance / Regulation / Policy-making}

[2] Niek Meurs, *Production Plan for High Speed Craft*, Damen Shipyards, Antalya, 18-10-2016. (Ship design)

[1] Neal de Vreede, *Unilever Benelux Supply Chain software migratieprocessen*, 12-05-2016. {Logistic software development}

Multi-annual overview of courses

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	All	
AE5322	MSc SAT thesis chair/supervisor																1	1
AR3CS021	MSc City of the Future lecturer/mentor														L/M	L/M	L/M	
CEE5007	EngD Railw. + Sanit. Eng coord/lecturer																	
CIE4040	Internships advisor/supervisor						A	A	A	A	1	A	A	1				2
CIEM0400	CE thesis advisor															A	A	
CTB3000	Bsc thesis supervisor			S	S	S	S	S	S	S	S	S	S	S	S	S	S	
CT3200	Minor II DE coordinator/lecturer											C/L	C/L	C/L	C/L	C/L	C/L	
CT3366	Economics coordinator/lecturer						C/L	C/L	C/L	C/L	C/L							
ENVM1600 Skills	MSc Sanitary Eng lecturer															L	L	
ME54035	MSc TEL/PEL committee member	1				1		8	3	4	7	3	3	4	3	1	37	
MT54035	MSc MTT external committee member												1		1		2	
TIL5050	TIL Design coordinator/lecturer			59	47	67	60	65	88	75	101	83	68	113	115	941		
TIL5060 graduates	TIL thesis supervisor/chair		2	1	2	3	7	9	5	9	10	14	11	15	88			
TIL5060 ongoing	TIL thesis supervisor/chair														14	14		
TIL thesis	Graduation coordinator/thesis advice			A	A	A	A	C	C	C	C	C	C	A	A	A		
TIL communication	TIL website, Brightspace, Workshops																	
AMS MADE	MSc thesis TAC/ITAC chair/supervisor													2	10	9	21	