

**PROGRAM
DELFT ROAD SAFETY COURSE
IN DELFT 2019**



8 – 20 September 2019

Course leader: Prof. Divera Twisk

Venues: TU Delft (Aula), SWOV and City of Amsterdam

WEEK 1: 8 - 13 September**Sunday September 8th****Informal**

16:00 – 19:00	Informal get together and introduction	Emma McLennan (Easst)
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Day 1: Monday September 9th**Theme introduction**

09:00 - 10:00	Introduction to the course : “From crash to strategy”	Divera Twisk Introduce Resources/strategy
10:00 - 11:00	Road safety as a Global Health and Development Problem	Meleckidzedek Khayesi (World Health Organisation)
11:00 - 12:00	Key risk groups and risk behaviour	Emma McLennan (Easst)
12:00 - 13:00	12 Country presentation 5 minutes (max 4 slides) sent in advance.	Students
13:00 - 14:00	LUNCH	
14:00 - 15:00	12 Country presentation 5 minutes (max 4 slides) sent in advance.	Students
15:00 - 16:00	Analyses and feedback	Students & supervisors
16:00 - 17:00	Practicalities, things to come, survey and alumni network	Emma McLennan (Easst), Hans Godthelp (DRSC), Divera Twisk

Day 2: Tuesday September 10th

Theme: Safe systems –from pre to post crash

09:00 - 10:00	Causes of crashes	Fred Wegman
10:00 - 11:00	Safe systems Approach: vision , principles, tools	Fred Wegman
11:00 - 12:00	Road Safety Management	Fred Wegman
12:00 - 13:00	Designing a road safety strategy and action plan and the role of road safety performance targets, also for LMIC.	Divera Twisk, Fred Wegman
13:00 - 14:00	LUNCH	
14:00 - 15:00	Occupational Road safety management and key risks	Emma McLennan (Easst) and Serghei Diaconu
15:00 - 17:00	When crashes occur: Managing Post-crash Care	Emma McLennan (Easst), Ludo Kluppels (VIAS): Introduce elearning videos on post- impact care

Day 3: Wednesday September 11th

Theme: Effective road safety advocacy and awareness raising

09:00 - 09:45	Key risks: Road safety awareness raising	Emma McLennan (Easst)
09:45 - 10:15	Road safety partnerships: Effective Enforcement and deterrence	Emma McLennan (Easst)
10:15 - 11:15	Key risks: Effective Enforcement and Deterrence	Serghei Diaconu
11:15 - 11:30	Short break	
11:30 - 13:00	Introduction to road safety advocacy , Road safety campaigning and Road safety awareness raising: Group exercises on key risks	Emma McLennan (Easst); Floor Lieshout (Youth for road safety)
13:00 - 14:00	LUNCH	
14:00 - 15:00	TASK 1: exercise in Designing Advocacy & Awareness Campaigns	Students, Emma McLennan (Easst), Serghei Diaconu, Floor Lieshout
15:00 - 16:00	Presentations by Groups A, B & C	Students
16:00 - 17:00	Road safety advocacy: influencing decision makers and using media	Miquel Nadal (RACV-FIA)

Day 4: Thursday September 12th

Theme: Understanding RS data and effects of measures

09:00 - 11:00	Road Safety Data, collection and analyses	Henk Stipdonk (KIM)
11:00 - 12:00	Assignment 2: Hands-on experience with analysing and interpreting crash data	Students (Henk Stipdonk, Divera Twisk)
12:00 - 13:00	Research into crashes Bangladesh	Webinar Shamsunnahar Yasmin (CARRS-Q)
13:00 - 14:00	LUNCH	
14:00 - 15:00	Results of evaluating of road safety measures	Rune Elvik (TOI)
15:00 - 16:00	Assignment 3: Use SAFETYCUBE to asses expert system on effective measures for strategy	Students, Rune Elvik, Divera Twisk
16:00 - 17:00	Preparing for field trip ' roads' and ' city' : preview trip + Amsterdam	Students: objectives and questions

Day 5: Friday September 13th

**Theme: City development, design and safety:
Amsterdam a case study**

09:00 - 14.00	Bus excursion: Infrastructure	Fred Wegman
14:00 - 17.00	Amsterdam: Metropolitan applications	Heleen Vonk, City of Amsterdam
	Managing speeds, Awareness and advocacy	City of Amsterdam
	Managing car access, The role of research	
	Managing registration of crash	
	Learning from crash statistics, Stakeholder involvement	

WEEK 2: 16 - 20 September**Day 6: Monday September 16th****Theme: Day at SWOV, Science and Policy**

09:00 - 09:30	Research to support road safety policy making	Peter van der Knaap
09:30 - 10:30	Policy and strategic road safety developments: theory and applications	Letty Aarts
10:30 - 11:30	Road safety management for African Countries : focus on motorized two-wheelers and pedestrians	Rob Eenink
11:30 - 13:00	Monitoring road safety developments based on WHO status report	Wendy Weijermars
13:00 - 13:30	LUNCH	
13:30 - 14:15	Research methods: strength and limitations (demonstration simulator)	Gert Jan Wijlhuizen / Willem Vlakveld
14:15 - 15:15	Road safety infrastructure (Pilar x) and IRAP	Rob Eenink
15:15 - 17:00	Assignment 4: Using Expert-system 'Safety Cube' for identifying evidence-based research + Feedback	Students, Jan-Hendrik van Petegem

Day 7: Tuesday September 17th

Theme: Safe vehicles & Infrastructure

09:00 - 10:00	UN high priority standards Necessity for Standards for vehicles (cars, ebikes, motorized two-wheelers, trucks busses, child protections)	Alejandro Furas (Global NCHP)
10:00 - 11:00	Consumers and NCAP + smart mobility	Alejandro Furas
11:00 - 12:00	TBD	
12:00 - 13:00	LUNCH	
13:00 - 15:00	Safe design for vulnerable road users: Pedestrians, motorized-two-wheelers and cyclists	Attila Borsos (Széchenyi István University)
15:00 - 17:00	Assignment 5: Implications for strategy (incl. feedback)	Students

Day 8: Wednesday September 18th

Theme: Measures and effects in the real world

09:00 - 10:00	Road safety audits and inspections	Betty van de Wetering (Betty's travels)
10:00 - 11:00	Case study (learning by doing)	Betty van de Wetering
11:00 - 12:00	Catering for powered two wheelers and pedestrians in LMIC	Hilda Gomez
12:00 - 13:00	Organizing effective enforcement	Philip Wijers (SENSYS GATSO)
13:00 - 14:00	LUNCH	
14:00 - 15:00	Costs of road crashes and benefits: what to consider, how to apply in LIMC, stratified by level of economic development.	Wim Wijnen (W2 Economics), Hilda Gomez
15:00 - 16:00	Experiences of Managing road safety issues in LIMC: lessons learnt	Hilda Gomez
16:00 - 17:00	Assignment 6: How to use costs and benefits in strategy and how to take advantage of lessons learnt?	Students, Hilda Gomez, Wim Wijnen. SAFETYCUBE cost benefit module

Day 9: Thursday September 19th

Theme: Human behaviour and strategy

09:00 - 11:00	Human behaviour and behaviour change	Divera Twisk, Marjan Hagenzieker
11:00 - 12:00	Assignment 7: Bring it all together. Make nice presentations.	Divera: summarize key learnings and essential components of the strategy.
12:00 - 13:00	LUNCH	
13:00 - 15:00	Continue assignment 7	Students
15:00 - 17:00	Presentation by groups of 'Road Safety Strategy'. 20 minutes each + 10 minutes discussion.	Students, Hilda Gomez, Divera Twisk

Day 10: Friday September 20th

Final presentations

09:00 - 13:00	Presentation by groups of 'Road Safety Strategy'. 20 minutes each + 10 minutes discussion.	Students, Hilda Gomez, Divera Twisk
13:00 - 14:00	LUNCH	
14:00 - 15:00	Evaluation and closure	Students
18:00	Start evening program	

Assignments

Assignments are meant to assist the participants to process and apply the information from the lectures. The road safety strategy is used as a blank canvas that is gradually filled and revised as the course progresses. The work on the strategy is done in a 'home group' of XX participants working on XX case countries. In each assignment, students will work in guest groups to discuss the general implications (50% of the assignment time), followed by work in their home group to apply it to the specific strategy (50%).

These group exercises will be structured into subtasks. A point by point summary of relevant presentations will be provided as input.

A list of resources will be made available for deeper exploration of sub topics.