

Course-name: TRANSPORT MODELLING
Course co-ordinator: Dr. Evy Onghena en dr. Edwin van Hassel
dd 22 February 2016



| <u>Day</u> | <u>Date</u> | <u>Time</u> | <u>Room</u> | <u>Session</u> | <u>Lecturer</u> | <u>Topic</u> |
|------------|-------------|-------------|-------------|----------------|-----------------------------------|---|
| Monday | 29/02/2016 | 09.00-11.00 | C101 | 1 | Evy Onghena | 4 step models: theory |
| | | 11.00-13.00 | C101 | 2 | Evy Onghena | Estimation of impacts |
| | | 14.00-16.00 | P115 | 3 | Evy Onghena | Introduction eViews |
| | | 16.00-18.00 | P115 | 4 | Evy Onghena | Applications of theory (exercises Estimation of impacts + Primer 4 step models) |
| Tuesday | 01/03/2016 | 09.00-11.00 | C101 | 5 | Dana Borremans - Pieter Van Houwe | Traffic models Flemish government (passengers) |
| | | 11.00-13.00 | C101 | 6 | Dana Borremans - Pieter Van Houwe | Freight models Flemish government |
| | | 14.00-16.00 | C101 | 7 | Franziska Kupfer | Discrete choice models: theory + applications |
| Wednesday | 02/03/2016 | 09.00-11.00 | C101 | 8 | Evy Onghena | Cost and production functions |
| | | 11.00-13.00 | C101 | 9 | Evy Onghena | Productivity and Efficiency |
| | | 14.00-16.00 | P115 | 10 | Evy Onghena | Applications of theory (exercises) |
| | | 16.00-18.00 | P115 | 11 | Evy Onghena | Applications of theory (exercises) |
| Thursday | 03/03/2016 | 09.00-11.00 | C101 | 12 | Gerard de Jong | Aggregate-Disaggregate-Aggregate |
| | | 11.00-13.00 | P115 | 13 | Gerard de Jong | Applications of theory (exercises) |
| | | 14.00-16.00 | C101 | 14 | Alex Van Steenbergem | Forecasting methods and models |
| Friday | 04/03/2016 | 09.00-11.00 | C101 | 15 | Ennio Cascetta | A new look at planning and designing transportation systems |
| | | 11.00-13.00 | C101 | 16 | Ennio Cascetta | Estimation of Origin to Destination Flows from Counts |
| | | 14.00-16.00 | C101 | 17 | Evy Onghena | Pricing models: paper discussion |
| Monday | 07/03/2016 | 09.00-11.00 | C101 | 18 | Edwin van Hassel | Introduction in engenering systems |
| | | 11.00-13.00 | C101 | 19 | Raoul Deuss | Software development (objects and their applications) |
| | | 14.00-16.00 | C101 | 20 | Edwin van Hassel | Port model Antwerp |
| Tuesday | 08/03/2016 | 09.00-11.00 | C101 | 21 | Kenneth Sørensen | Operations research |
| | | 11.00-13.00 | C101 | 22 | Kenneth Sørensen | Operations research |
| | | 14.00-16.00 | C101 | 23 | Kenneth Sørensen | Exercises |
| Wednesday | 09/03/2016 | 09.00-11.00 | C101 | 24 | Edwin van Hassel | Discrete models (DISCRETE) |
| | | 11.00-13.00 | C101 | 25 | Rudy Negerborn | Agent based modelling |
| | | 14.00-16.00 | C101 | 26 | Jeroen Pruyn | Business game development |
| Thursday | 10/03/2016 | 09.00-11.00 | C101 | 27 | Edwin van Hassel | Simulation models |
| | | 11.00-13.00 | C101 | 28 | Edwin van Hassel | Monte carlo simulations |
| | | 14.00-16.00 | P115 | 29 | Edwin van Hassel | Exercises with Monte Carlo simulations |
| Friday | 11/03/2016 | 09.00-11.00 | C101 | 30 | Edwin van Hassel | Integrating Engeneerings with economic models |
| | | 11.00-13.00 | C101 | 31 | Steven Latre | (big)data possibilities |
| | | 14.00-16.00 | C101 | exam | Evy Onghena - Edwin van Hassel | Exam: Presentations and discussion students |