# Vehicle Dynamics 4L150 – 2010
version: 20101216

**time table:**                                        **location:**
Tuesday     hours 1 and 2 (  8:45 – 10:30)     AUD 16
Friday      hours 5 and 6 (13:45 – 15:30)      lectures: AUD 7, exercise: PAV J17

|    | When | | Subject |
|----|------|--|---------|
| 1  | Tuesday 9 November | - | |
| 2  | Friday 12 November | - | |
| 3  | Tuesday 16 November | lecture | Vertical dynamics |
| 4  | Friday 19 November | exercise | |
| 5  | Tuesday 23 November | lecture | Vertical dynamics |
| 6  | Friday 26 November | exercise | |
| 7  | Tuesday 30 November | lecture | Single track vehicle model |
| 8  | Friday 3 December | exercise | |
| 9  | Tuesday 7 December | lecture | Single track vehicle model |
| 10 | Friday 10 December | - | |
| 11 | Tuesday 14 December | lecture | Assessment of tyre characteristics |
| 12 | Friday 17 December | lecture | The brush tyre model *after lecture: visit to TU/e EPE lab demo active suspension* |
| 13 | Tuesday 4 January | lecture | The Magic Formula |
| 14 | Friday 7 January | exercise | |
| 15 | Tuesday 11 January | lecture | Two track vehicle model |
| 16 | Friday 14 January | lecture | Two track vehicle model |

**exercises:**
For the exercises a laptop + MATLAB/Simulink 6.5 (or higher) is required

**exam:**
1. written exam, no books or hand-outs are allowed at the exam
2. written report on the exercise, to be finalised before 15 January 2011 latest
   there is no second chance to redo this report in the academic year 2010/2011!

The final note will be a combination of 1 (2/3) and 2 (1/3)
To pass: 1 has to be $\geq$ 5 in any case!

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