

# Grading Scale for the Course ‘Introduction to Flight Simulation’

Hans de Nivelle

February 18, 2011

Grading will be based on the exercises. The grade for the exercises will be equal to the grade for the exam. Since some exercises are obviously harder than others, I have assigned different weights to the different exercises. The weights are as follows:

List	1	2	3	4	5	6
1	1	1	1	2		
2	1	1	1	1	5 (horseshoe)	3 (Lagrangian)
3	1	5 (rocket)				
4	4					
5	0	5				
6	3	1	1	2		
7	1	1	1	1	3(inertia matrix)	
8	1	1	1	1	3(integrate)	3(integrate)
9	2	1	1	1	4 × 1	
10	1	1	5(corners)		1	
11	4*(ECEP)	2*(distance)	6*(heading)	3	3	3
12	3	5	15			

- Some people solved 11.1, 11.2, 11.3 by using an internet calculator. I will count these solutions as 1 point.
- If you want to do the horse shoe orbit: I think that it is impossible to get it with a primitive (second order) integration method, because of instability of the near passes. It is explained in the text on numerical methods, how to adopt the Runge-Kutta method for the simulation of planets.

The total number of points in the exercises is equal to 117. The grade is determined from the number of exercise points as follows:

- $\geq 95 \Rightarrow 5.0$
- $\geq 80 \Rightarrow 4.5$
- $\geq 65 \Rightarrow 4.0$

- $\geq 50 \Rightarrow 3.5$

- $\geq 35 \Rightarrow 3.0$

Deadline for showing exercises is 07.03.2011.