Faculty of Aerospace Engineering
Delft University of Technology

Transition Regulations BSc per September 2011 for
students who started in the new BSc programme
(starting year 2009 or 2010)

June, 2011

1. Introduction

The new BSc programme was introduced in 2009-2010 (first year) and 2010-2011 (second and third year).

After careful evaluation of the new BSc programme it was decided that the programme was in some places overloaded and some courses did not fit the curriculum. Therefore, the 2011-2012 programme will slightly differ from the 2010-2011 programme. Some courses are deleted from the curriculum, some have the number of EC increased or decreased, based on the actual workload for students.

The present document outlines the BSc programme for 2011-2012 and the so-called transition regulations: how to complete the BSc programme once the programme a student started is changed.

2. Target group

The regulations in this document apply to the students
- who started their studies in September 2009 or after, or
- who started their studies before September 2009 but had to change to the new BSc programme.

3. First year 2011-2102

3.1 First year programme

Below the first year programme as it will be offered in 2011-2012:

First year		
Code	**Course Name**	**EC**
AE1100-11	Exploring Aerospace Engineering	3
AE1101-11	Introduction to Aerospace Engineering I	5
AE1102	Introduction to Aerospace Engineering 2	4
AE1103	Statics	4
AE1104	Physics I	2
AE1106	Programming I	2
AE1107	Engineering Drawing	2
AE1150-11	Personal and Professional Development	1
AE1200	Design and Construction	5
AE1201	Aerospace Design and Systems Engineering Elements I	4
AE1202-11	Materials and Structures for Aircraft and Spacecraft	6
AE1203	Dynamics	3
AE1204	Physics II	3
WI1401LR	Calculus I	6
WI1402LR	Calculus II	5
WI1403LR	Linear Algebra	5

Changes with respect to the 2010-2011 programme:

- Discontinued course:
  AE1105 Sustainable Development

- Courses of which the number of EC is changed:

Old code	EC	New code	EC
AE1100	4	AE1100-11	3
AE1101	4	AE1101-11	5
AE1150	0	AE1150-11	1
AE1202	5	AE1202-11	6

3.2 How to complete the first year programme?

The table below lists which course is replaced by which:

Old code	EC	Replaced by	EC
AE1100	4	AE1100-11	3
AE1101	4	AE1101-11	5
AE1150	0	AE1150-11	1
AE1202	5	AE1202-11	6
AE1105		Exemption (VR) awarded	

Students who have not yet completed AE1105 get an exemption (thus, no resits are offered in 2011-2012). For all other courses there is an equivalent course. It is possible that one completes the first year with more than 60 EC (e.g if one already completed AE1105, but has to do AE1101-11 and AE1202-11) or less (e.g. if every course is already completed in 2010-2011, except AE1100).

4. Programme 2011-2012 second year

4.1 Programme

After a careful evaluation of the 2010-2011 programme, its was concluded that for some courses the workload exceeded the number of EC allotted and that some courses did not fit in the curriculum. Therefore, in 2011-2012 the second year programme will slightly differ from the one in 2010-2011.

The discontinued courses are:
AE2103 Space Missions and Applications I
AE2104P Flight Mechanics Flight Test

Furthermore, AE2107 Probability and Statistics is replaced by a similar course offered by the Mathematics department (WI2107LR.) The courses AE2206 and AE2208 will per 2011-2012 be merged into one course: AE2212 (6 EC).

Programme 2011-2012

Second year		
Code	**Course Name**	**EC**
AE2100	System Design	5
AE2101-11	Aerospace Design and Systems Engineering Elements II	3
AE2102	Aerodynamics I	3
AE2104-11	Flight and Orbital Mechanics	4
AE2105	Instrumentation and Signals	3
AE2106-11	Vibrations	3
WI2107LR	Probability and Statistics	4
WI2029LR	Differential Equations	4
AE2200	Test, Analysis and Validation	5
AE2211-11	Structural Analysis and Design	4
AE2210	Aerodynamics II	3
AE2203-11	Propulsion and Power	4
AE2204	Aerospace Systems and Control Theory	3
AE2205-11	Experimental Research and Data Analysis	2
AE2207	Production of Aerospace Systems	3
AE2209	Low-Speed Wind Tunnel Test	1
AE2212	Applied Numerical Analysis and Computational Modelling	6

Courses of which the number of EC is changed:

Old course code	EC	New course code	EC
AE2101	2	AE2101-11	3
AE2104	3	AE2104-11	4
AE2106	2	AE2106-11	3
AE2211	3	AE2211-11	4
AE2203	3	AE2203-11	4
AE2205	3	AE2205-11	2

4.2 How to complete the second year?

The table below lists which course replaces which:

Old course code	EC	Replaced by	EC
AE2101	2	AE2101-11	3
AE2103		Exemption (VR) awarded	
AE2104	3	AE2104-11	4
AE2104P		Exemption (VR) awarded	
AE2106	2	AE2106-11	3
AE2107	4	WI2107LR In 2011-2012 two resits AE2107 will be offered.	4
AE2206	4	Resit in 2011-2012, see below for details	
AE2208	3	Resit in 2011-2012, see below for details	
AE2211	3	AE2211-11	4
AE2203	3	AE2203-11	4
AE2205	3	AE2205-11	2

In 2011-2012 AE2206 Applied Numerical Analysis and AE2208 Computational Modeling will be combined into one course AE2212 Applied Numerical Analysis and Computational Modelling.
In 2011-2012 it will be possible to do only the AE2206 part or only the AE2208 part. Students who have to do both AE2206 and AE2208 will have to do the combined course AE2212 for 6 EC.

Students who have not yet completed AE2103 Space Missions and Applications I and/or AE2104P Flight Mechanics Flight Test will get an exemption (thus, no resits are offered in 2011-2012). For A2107 Probability and Statistics two resits will be offered in 2011-2012. After 2011-2012, AE2107 must be replaced by WI2107LR. For all other courses there is an equivalent course. Due to these programme changes it is possible that one completes the second year with more or less EC than 60.

NOTE: This document lists only those programme changes which have an effect on the transition regulations (e.g. discontinued courses, changes in the number of EC). Other programme changes (e.g. different education period, new assessment method) are not listed. For course details of the new programme see the digital study guide 2011-2012.