

# TRANSITIONAL ARRANGEMENTS APPENDIX TO THE TEACHING AND EXAMINATION REGULATIONS OF THE BACHELOR'S PROGRAMME CREATIVE TECHNOLOGY

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The regulations in this appendix form an integral part of the teaching and examination regulations of the bachelor's programme Creative Technology of the Faculty of Electrical Engineering, Mathematics and Computer Science of the University of Twente.

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### Art 1.1 - TRANSITIONAL ARRANGEMENTS

#### 1. Regulation 2012-2013 regarding the first year's exam (propedeuse)

**Occasion:** This regulation is necessary because the first year's programme changes, starting September 2012.

The earlier regulation regarding study units of the first year of 2011-2012 is incorporated in this regulation.

**Term of validity:** expired; still recorded for the purpose of reference.

**Contents of the regulation:**

To complete their first year, students who were first enrolled in 2010-2011 or 2011-2012 must comply to provisions 1 – 4. Where these provisions speak of “lines” and “columns”, they refer to lines and columns in *Table 1 - first year courses in the academic years 2010-2011, 2011-2012, 2012-2013*.

1 (Applies to all students who were first enrolled in either 2010-2011, or 2011-2012)  
To meet the requirements of the first year, a unit of study (or a combination of units, when applicable) must be completed at each of the lines 1 through 13 of table 1. The unit which is completed can be a unit from a column corresponding to a later academic year than the year of the student's first enrolment. It can never be a unit from a column corresponding to an academic year preceding the year of first enrolment.

2a. (Applies only to students who were first enrolled in 2010-2011)  
To meet the requirements of the first year, units from lines 14 – 16 must be completed, with a study load which is enough to reach a total first year study load of (at least) 60 EC.

2b. (Applies only to students who were first enrolled in 2011-2012)  
To meet the requirements of the first year, the First Year Portfolio course (line 14) must be completed.

3. (Applies to all students who were first enrolled in either 2010-2011, or 2011-2012) Tests passed for Introduction to Computer Science (line 1), Interactive Visualization (line 10), and/or Introduction to Dynamical Systems and their Dynamic Behaviour (line 13) during the academic year 2012-2013 in order to comply to provision 1, may be regarded as resits for tests for the corresponding courses of the academic year 2011-2012, and the results can hence be registered for those courses, with the study load of 2011-2012.

4. (Applies to all students who were first enrolled in either 2010-2011, or 2011-2012) If the student's first year course programme complies to provisions 1 and 2 (either 2a or 2b), but totals less than 60 EC in study load, the student's tutor will issue a supplementary assignment to meet the requirement that the first year programme must have a 60 EC study load.

## 2. Regulation 2012-2013 regarding the second year programme and the Bachelor's exam

**Occasion:** This regulation is necessary because the second year programme changes, starting September 1, 2012.

**Term of validity:** until September 1, 2016.

### **Contents of the regulation:**

To meet the second year requirements towards their bachelor's exam, students who were first enrolled in 2010-2011 or 2011-2012 must comply to provisions 1 – 3, called the initial requirements, and the additional requirements laid down in provisions 4a, 4b, 5 and 6. Where these provisions speak of "lines" and "columns", they refer to lines and columns in *Table 2 - second year courses in the academic years 2011-2012 and 2012-2013*.

1 (Applies to all students who were first enrolled in either 2010-2011, or 2011-2012) To meet the requirements of the second year, a unit of study must be completed at each of the lines 1 through 7 of table 2.

The unit which is completed can be a unit from a column corresponding to a later academic year than the year of the student's first enrolment. It can never be a unit from a column corresponding to an academic year preceding the year of first enrolment.

2 (Applies to all students who were first enrolled in either 2010-2011, or 2011-2012) To meet the requirements of the second year, the student must complete units with a study load totalling 15 EC for his/her specialization, either New Media or Smart Technology.

For Smart Technology it is necessary to complete units online 8 (of table 2). When applicable, the result of a subtest of the 15 EC Smart Technology course in the 2012-2013 column may be registered in the student information system as a result for the (applicable) "old" course of the 2011-2012 column.

New Media is completed by combining results for units on lines 9, and 17 – 20. A result for a subtest of the 15 EC New Media course in the 2012-2013 column cannot be registered as a result for an "old" course in the 2011-2012 column. But conversely, results for courses in the 2011-2012 column may be recognized by the New Media examiner as grounds for exemption from subtests in the 15 EC New Media course.

It is possible for the New Media examiner to register results for separate courses corresponding to parts of the 15 EC New Media course. These separate courses are

Sound Engineering, Graphics, Game Development, and Serious Gaming. They are distinct from each of the “old” courses in the 2011-2012 column, but a student may use them to combine with results for courses in the 2011-2012 column to accumulate the required 15 EC study load in New Media results. Note however that a result for Game Development as part of the 15 EC New Media course cannot be combined with a result for Game Development in the 2011-2012 column. A combination of 3D Modelling (2011-2012) and Graphics (part of 2012-2013 New Media) is equally impossible.

3. (Applies to all students who were first enrolled in either 2010-2011, or 2011-2012)  
To meet the requirements of the second year, one of the units of study at the lines 10 and 11 of table 2 must be completed.

4a (Applies to students who were first enrolled for 2011-2012)  
To meet the requirements of the second year, the units at lines 12 – 16 in the 2012-2013 column of table 2 must be completed.

4b (Applies to students who were first enrolled for 2010-2012)  
To comply with provisions 1 – 3 units with a total study load of 45,5 EC (minimum) and 52 EC (maximum) must be completed. To meet the requirements of year 2, the units completed in order to comply with provisions 1 – 3 must be supplemented by additional units.

Firstly, it is mandatory to complete units from the following list. They will count as a supplement to the units that are used to comply with 1 – 3, unless they have already been used to meet other requirements.

1. Systems and Signals (line 14) must be completed, but it counts as a supplement only if it has not been used to meet first year's requirements;
2. Introduction to Statistics and Probability (line 15) must be completed, but it counts as a supplement only if it has not been used to meet first year's requirements;
3. One of the two units at line 12, Web Services and Data-driven Applications in the 2012-2013 column and Data-driven applications in the 2011-2012 column, must be completed, and will count as a supplement. If both are completed, only one can count. However, the obligation to complete one of the line 12 courses ceases if Web 2.0 Mashups is completed, and not used to meet the New Media requirements of provision 2. Then Web 2.0 Mashups counts as a supplement for his provision 4b, instead of one of the line 12 courses.

Secondly, the student may use other units that have been completed as a supplement. Completion is not mandatory, but the study load of the units in support of the initial requirements (provisions 1 – 3) together with the supplementary units, must add up to a total study load of at least 58 EC. The optional units are

4. The units at lines 10,11,17 and 18, but (obviously) **not** the ones that have been used to meet initial requirements, or as substitute for a mandatory supplement in 4b under 3
5. Research Methodology.
6. Second Year Portfolio, but only if Research Methodology is also used as a supplementary unit.

5 (Applies to students who were first enrolled for 2010-2012)

If the student's first year course programme complies to provisions 1 – 3 and 4b, but totals less than 58 EC in study load, the student's tutor will issue a supplementary assignment.

6 (Applies to students who were first enrolled for 2010-2012)

If the student's second year course programme complies to all provisions but totals to a study load which is not exactly 60 EC (at least 58 is mandatory), the difference (both shortage and excess) will be compensated in the "profielingsruimte".

### 3. Regulation 2013-2014 regarding the first year's exam (propedeuse)

**Occasion:** This regulation is necessary because the first year's programme changes, starting September 2013.

More specifically, none of the units of study of Table 1a in Art 1.1 of the programme appendix of the teaching and examination regulations will be offered (nor examined) in (nor after) 2013-2014.

**Term of validity:** until September 1, 2016.

**Contents of the regulation:**

Students who started their studies before September 1, 2013 can take their first year's exam if they meet the following requirement:

For every unit of study of Table 1a in Art 1.1 of the programme appendix of the teaching and examination regulations they have completed a substitute (if not the unit itself), i.e.

1. They have completed units of study of Table 1a; and
2. For units that were not completed they have completed applicable substitute units, in accordance with Regulation 1 of these *Transitional arrangements*, or
3. For units that were not completed they have successfully passed (sub)tests in one of the four modules of the 2013-2014 programme,

The modules (15 EC units of study of the 2013-2014 programme) consist of parts which correspond to second year courses of 2012-2013.

Table 1a in Art 1.1 of the programme appendix of the teaching and examination regulations indicates in which of the 4 modules these corresponding elements can be found.

The substitute (sub)tests will be in the corresponding quarters.

### 4. Regulation 2013-2014 regarding the first year's exam (propedeuse)

**Occasion:** This regulation is necessary because the first year's examination is no longer an official examination of the bachelor's programme, starting September 1, 2013.

**Term of validity:** expired; still recorded for the purpose of reference.

**Contents of the regulation:**

Students enrolled at the University of Twente in the academic year 2012-13 for the first (propedeuse) year of the Bachelor's programme, can take the propedeuse examination, and, if they pass that examination, will receive the propedeuse diploma. The opportunity to take the examination ceases to exist per September 1, 2014.

## 5. Regulation 2014-2015 regarding the units of study of the second year

**Occasion:** This regulation is necessary because the second year's programme changes, starting September 2014.

More specifically, none of the units of study of Table 2a in Art 1.1 of the programme appendix of the teaching and examination regulations will be offered in (nor after) 2014-2015.

**Term of validity:** until September 1, 2017.

### **Contents of the regulation:**

Students who started their studies before September 1, 2013 can take their Bachelor's exam if they meet the following requirement regarding the courses of the second year (and obviously also all requirements regarding their first and third year):

For every unit of study of Table 2a in Art 1.1 of the programme appendix of the teaching and examination regulations they have completed a substitute (if not the unit itself), i.e.

1. They have completed units of study of Table 2a; and
2. For units that were not completed they have completed substitute units, in accordance with Regulation 2 of these *Transitional arrangements*, or
3. For units that were not completed they have successfully passed (sub)tests in one of the four modules of the 2014-2015 programme,

The modules (15 EC units of study of the 2013-2014 programme) consist of parts which correspond to first year courses of 2012-2013.

Table 2a in Art 1.1 of the programme appendix of the teaching and examination regulations indicates in which of the 4 modules these corresponding elements can be found.

The substitute (sub)tests will be in the corresponding quarters.

## 6. Regulation 2015-2016 regarding elective units of the third year

**Occasion:** This regulation is necessary because the third year's programme changes, starting September 2015.

More specifically, some of the elective units of study of Table 3a in Art 1.1 of the programme appendix of the teaching and examination regulations will no longer be offered in (nor after) 2015-2016.

**Term of validity:** until September 1, 2018.

**Contents of the regulation:**

Students who started their studies before September 1, 2013 can take their Bachelor's exam if they meet the following requirement regarding the courses of the third year (and obviously also all requirements regarding their first and second year):

They have completed elective courses with a study load totalling (at least) 15EC in accordance with the provisions of Table 3a, i.e.

They have completed units of study of Table 3a, and/or alternative units in consultation with their tutor and/or the Examination Board, and/or parts of second or third year modules as a replacement of one or more units of Table 3a.

- The "Ethics and professional responsibilities" track of the second year module Innovation and Entrepreneurship (cf Art 1.1 Table 2b) counts as a replacement for the elective course Ethics for CreaTe
- The "Real world confrontation" track in the pre-Final module (cf Art 1.1. Table 3b) can count as a replacement for either Entertainment Education or Remote Care Nearby
- The Academic Writing track in the Pre-Final module (cf Art. 1.1 Table 3b) counts as an elective substitute (cf Art. 1.12.2.c3)



TABLE 1 - FIRST YEAR COURSES IN THE ACADEMIC YEARS 2010-2011, 2011-2012 AND 2012-2013

	2010-2011		2011-2012			2012-2013		
		EC		EC		EC		
1	Introduction to Computer Science	3	Introduction to Computer Science	3		Introduction to Computer Science	2	-1
2	Web technology We Create Identity	3 3	We Create Identity	5	-1	We Create Identity	5	
3	Smart Environments	3	Smart Environments	3		Smart Environments	4	+1
4	Living and Working Tomorrow	6	Living and Working Tomorrow	5	-1	Living and Working Tomorrow	5	
5	Have Fun and Play!	6	Have Fun and Play!	5	-1	Have Fun and Play!	5	
6	Sketching for CreaTe	2	Sketching for CreaTe	2		Sketching for CreaTe	3	+1
7	Graphic Design	2	Visual Communication	4	+2	Visual Communication	4	
8	Designing in Context	2	Designing in Context	2		Designing in Context	3	+1
9	Human Factors	3	Human Factors	3		Human Factors	3	
10	Interactive Visualization	5	Interactive Visualization	5		Interactive Visualization	4	-1
11	Programming for CreaTe	5	Programming and Physical Computing	7	+2	Programming and Physical Computing	7	
12	Creative Exploration of Structures Motion and Modelling	2 3	Introduction to Mathematics and Modelling	6	+1	Introduction to Mathematics and Modelling	6	
13	Dynamical systems	6	Dynamical systems	6		Introduction to Physical Systems and their Dynamic Behaviour	5	-1
14			First Year Portfolio <i>This is a new unit compared to 2010-2011</i>	4	+4	First Year Portfolio	4	
15	Systems and Signals	3	<i>Systems and Signals is now a second year course</i>		-3			
16	Introduction to Statistics and Probability	3	<i>Introduction to Statistics and Probability is now a second year course</i>		-3			
					9			3

13 lines in the table show units (in 2010-2011 combinations of 2 units) which persisted throughout the three academic years.

Line 14 shows a unit which has been introduced in 2011-2012.

Lines 15 and 16 show units which were first year units in 2010-2011, but which since moved to the second year programme.

Almost all of the persisting units changed over the three academic years, with a change in study load as indicated. (In 2011-2012 a load of 9 EC has been reallocated, in 2012-2013 the reallocation totalled 3 EC)

TABLE 2 - SECOND YEAR COURSES IN THE ACADEMIC YEARS 2011-2012 AND 2012-2013

2011-2012 (for students first enrolled in 2010)		EC	2012-2013 (for students first enrolled in 2011)		EC
1	Ambient Screens	6,5	Ambient Screens	5	-1,5
2	Hybrid Worlds	7,5	Hybrid Worlds	5	-2,5
3	Creative Explorations in Art, Science and Technology	2	Creative Explorations in Art, Science and Technology	2	
4	Advanced Graphic Design	2,5	Animated Narration	3	+0,5
5	Marketing for IBA	5	Innovation and Entrepreneurship for IBA	3	-2
6	Project Startrix	5	Startrix for CreaTe	5	
7	Programming with structures	5	Programming with Structures	5	
8	Introduction to electronics	4	Smart Technology	15	
	Wireless communication systems	4			
	Control systems	4			
	Sensors	3			
9	<i>New Media courses of 2011-2012 are in lines 18-20</i>		<i>New Media (contents changed compared to 2011-2012)</i>	15	
10	Strategies and Protocols	3	Strategies and Protocols	3	
11	Queues and logistics	3	Queues and logistics	3	
12	Data-driven Applications	3	Web Services and Data-driven Applications <i>(Data-driven applications combined with Web 2.0 Mashups)</i>	4	+1
13	<i>Systems and Signals was a first year course for students of 2010</i>		Systems and Signals	3	
14	<i>Intro Statistics and Probability was a first year course for students of 2010</i>		Introduction to Statistics and Probability	3	
15			Research Methodology <i>(new course compared to 2011-2012)</i>	2	
16			Second year portfolio <i>( new course compared to 2011-2012)</i>	2	
17	3-D Modelling	2,5	<i>3-D modelling is now part of New Media</i>		
18	Web 2.0 Mashups	3	<i>Web 2.0 Mashups is now part of Web Services and ... (cf line 12)</i>		
19	Game Development	6	<i>Game Development is now partly incorporated into New Media</i>		
20	Virtual Environments	6	<i>Virtual Environments ceased to exist</i>		

In 2011-2012 the four courses combined in line 8 were Smart Technology specialization courses; in 2012-2013 there was a single 15 EC specialization course Smart Technology, with the same contents.

In 2011-2012 the courses in lines 18-20 were New Media specialization courses; in 2012-2013 there was a single 15 EC New Media specialization course, with different contents. The new 15 EC New Media course combines Sound Engineering (absent the year before), Graphics (was 3D Modelling the year before), Game Development (part of the Game Development course of the year before) and Serious Gaming (which was absent the year before)

In 2012-2013 students could choose between the math courses of lines 10 and 11; the year before it was mandatory to take both.