

Curriculum Advanced Technology 2015/2016

First year (B1) – cohort 2015

Course code	Block	Module name	Co-ordinator
201500197	B1.1A	Mechanics	Ruud van Damme
201300147	B1.1B	Thermodynamics - AT	Marcel ter Brake
<nw code>*	B1.2A	Fundamentals of Materials	Gertjan Koster
<nw code>**	B1.2B	Dynamics	?

* module changed: old course code: 201300159

** module will change: old course code: 201300160

Second year (B2) – cohort 2014

Course code	Block	Module name	Co-ordinator
201500225	B2.1A	Signals, Modelling and Systems	Herbert Wormeester
201400158	B2.1B	Materials Engineering	Mark Huijben
201400159	B2.2A	Fields and Waves	Michel de Jong
201400160	B2.2B	System Engineering, Entrepreneurship and Knowledge Production	Michel Ehrenhard

Third year (B3) – cohorts 2013 and earlier

Course code	Module/course name	EC
Specialisation Programme (30 EC, depends on master of choice)*		
Master admission modules (check master admission matrix)		30,0
Electives (free choice 15 EC)*		
Elective subjects		15,0
Final Assignment (15 EC)		
<i>Final Assignment (1 of 2 – 15 EC)</i>		
193999010	Bachelor Assignment AT	15,0
193999028	Internship	15,0

* Depending on master choice and interest the student chooses two 15 EC modules required for admission. One 15 EC module is free choice.

Third year (B3) Specialisation modules offered by AT

Course code	Block	Course name	EC	Co-ordinator
Modules offered by AT				
201500058	B3.1A	Science	15	Stefan Kooij
<nw code>*	B3.2A	Nano Mechanics	15	?

* new module

Other AT courses

Course code	Block	Course name	EC	Co-ordinator
Modules offered by AT				
193999030	-	Special Topic AT	5	H.K. Hemmes
201000241	-	Capita Selecta AT	10	H.K. Hemmes
201400634	-	International Study Tour Preparation AT	5	A.H. van Reekum

Module subjects / co-ordinators / Teaching staff / Examiners

Block	Course code / subject	Course name / Staff
1.1A	201500197	Mechanics
	Co-ordinator	<u>Ruud van Damme</u>
	Module Examiner	<u>Ruud van Damme</u>
	Mechanics	<u>Ruud van Damme</u> Floris Zwanenburg Jasper Homminga
	Math A+B1	<u>Ruud van Damme</u>
	Project	<u>Ruud van Damme</u>
	Lab Practice	<u>Herman Hemmes</u>

1.1B	201300147	Thermodynamics
	Co-ordinator	Marcel ter Brake
	Module Examiner	Marcel ter Brake
	Thermodynamics	<u>Marcel ter Brake</u> Pepe Veugelers Jelle van der Meulen Srini Vanapalli
	Math B2	<u>Ruud van Damme</u>
	Project	<u>Marcel ter Brake?</u>
	Lab Practice	<u>Herman Hemmes</u>

1.2A	<nw code>	Fundamentals of Materials
	Co-ordinator	Gertjan Koster
	Module Examiner	<u>Gertjan Koster</u>
	Materials Science & Properties of Materials Quantum Matter Organics chemistry for molecular materials Project	<u>Gertjan Koster</u> Gertjan Koster / Andre ten Elshof Alexander Brinkman / Harold Zandvliet Nathalie Katsonis Mark Huijben
	Math C1	<u>Ruud van Damme</u>
	ATS	<u>Annalisa Pelliza</u>

1.2B	<nw code>	Dynamics
	Co-ordinator	?
	Module Examiner	?
	Advanced Engineering	?
	Math D1	<u>Ruud van Damme</u>
	Project	<u>Remco Wiegerink</u>
	Instrumentation	<u>Srini Vanapalli</u>

2.1A	201500225	Signals, Systems and Modelling
	Co-ordinator	Herbert Wormeester
	Module Examiner	<u>Herbert Wormeester/Jeroen Verschuur</u>
	Modelling & Signals	<u>Herbert Wormeester/Jeroen Verschuur</u>
	Practicals	<u>Herbert Wormeester/Jeroen Verschuur</u>

	Design	<u>Herbert Wormeester/Jeroen Verschuur</u>
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2.1B	201400158	Materials Science and Engineering
	Co-ordinator	Mark Huijben
	Module Examiner	<u>Mark Huijben</u>
	Advanced Materials	Andre ten Elshof/Gertjan Koster
	Chemistry and Technology of Inorganic Materials	
	Interfaces and Catalysis	Arie van Houselt
	Semiconductor Devices	Ray Hueting

2.2A	201400159	Fields and Waves
	Co-ordinator	Michel de Jong
	Module Examiner	Michel de Jong
	Fields & Waves	Michel de Jong
	Finite Element Method	Peter van der Slot
	Internationalisation	?

2.2B	201400160	System Engineering, Entrepreneurship and Knowledge Production (SEEK)
	Co-ordinator	Michel Ehrenhard
	Module Examiner	Michel Ehrenhard
	Entrepreneurship	<u>Michel Ehrenhard</u>
	System Engineering	<u>Maarten Bonnema</u> <u>Jos Benschop</u>
	Knowledge Production	<u>A. A. de la Bruheze</u> Fokko Jan Dijksterhuis

3.1A	201500058	Science
	Co-ordinator	Stefan Kooij/Herman Hemmes/Herbert Wormeester
	Module Examiner	<u>Stefan Kooij</u>
	Nano Science	<u>Harold Zandvliet</u>
	Solid State Physics	<u>Stefan Kooij</u>
	Spectroscopy	<u>Annemarie Huijser</u>
	Statistical Physics	<u>Wouter den Otter</u>

3.2A	<nw code>	Nano Mechanics
	Co-ordinator	?
	Module Examiner	?

Third year (B3) Specialisation modules offered by Other programs (speculative)

Course code	Block	Course name	Co-ordinator
Courses offered by EE			
<nw code>	1B	Systems and Control	Raffaella Carloni
<nw code>	2B	Signals and Noise	Arjen Meijerink
Courses offered by ME			
<nw code>?	2A	Fluid Mechanics and Heat Transfer AT	Rob Hagmeijer
Courses offered by CS			
<nw code>	1A	Premaster CS 1A	?
<nw code>	1B	Premaster CS 1B	?
Courses offered by BA			
<nw code>	1A,2A	Premaster BA 1	?
<nw code>	1B,2B	Premaster BA 1	?
Courses offered by IEM			
<nw code>	1A	Course 1 (5 EC)	
<nw code>	1A	Course 2 (10 EC)	