

# Appendices Teaching and Examination Regulations Master's degree programmes 2010-2011

## Chemistry

### Appendix A Aim of the degree programme (art. 1.3)

The degree programme aims to train the students in such a way that they acquire the insight, skills and knowledge that allows the recipient of the degree to establish a professional career in the field of Chemical Engineering.

### Appendix B Specializations of degree programme (art. 2.2)

The degree programme has the following specializations:

- Chemical Engineering
- Water Technology

### Appendix C Content of degree programme (art. 2.3)

#### Specialization Product Technology

module	ECTS	assessment	practical
Research Project in Chemical Engineering	50	assessment of performance, report, presentation	x
Internship	15	assessment of performance, report, presentation	
Advanced Product Engineering	5	report, presentation	
Bio-based Products	5	report	
Interfacial Engineering	5	written examination	
Polymer Products	5	assignments, report	
Particulate Products	5	written examination, report, assignment	
One of three Product sectors to be chosen <ul style="list-style-type: none"> <li>• Bio-based Products</li> <li>• Industrial Catalysts</li> <li>• Polymeric Products</li> </ul>	30	see separate tables	see app. D

<b>Product sector Polymeric Products</b>	ECTS	assessment	practical
Biomaterials 2	5	written examination	
Structure and Properties of Polymers	5	written examination	
Sustainability for Engineers	5	assignments	
Electives Polymeric Products	15	course unit dependent	

<b>Product sector Bio-based Products</b>	ECTS	assessment	practical
Biomaterials 2	5	written examination	
Biotechnology	5	written examination	
Catalysis for Engineers	5	oral examination, presentation	
Electives Bio-based Products	15	course unit dependent	

<b>Product sector Industrial Catalysis</b>	ECTS	assessment	practical
Catalysis for Engineers	5	oral examination, presentation	
Biotechnology	5	written examination	

Product focused Process Design	5	report, presentation, discussion	
Electives Industrial Catalysis	15	course unit dependent	

### Specialization Water Technology

module	ECTS	assessment	practical
Global Water Cycle	5	assignments, participation, report, presentation	x
Mathematical principles in water technology	6	written exam	
Colloid chemistry	5	assignments, report, presentation	
Water microbiology	5	written exam, reports	x
Transport phenomena in water technology	6	written exam	
Advanced water treatment processes	5	oral exam	x
Reactor design	6	written exam	
Biological water treatment and recovery technology	5	written exam, case portfolio	
Process dynamics and control	5	assignments	x
Process design	12	reports, performance, presentations	
Internship	20	assessment of performance, report, presentation	x
Master thesis	40	assessment of performance, report, presentation	x

### Appendix D Optional modules (art. 2.4)

#### Optional courses

module	ECTS	assessment	practical
Optional courses on individual approval of the Board of Examiners	0 - 15	as indicated in appendix C or D of the corresponding programme	

### Appendix E Entry requirements (art. 3.1)

For students admitted to the programme there are no entry requirements for the individual modules.

### Appendix F Admission requirements (art. 4.1 and 4.2)

Holders of the following Bachelor's degrees from the University of Groningen are considered to have sufficient knowledge and skills and will be admitted to the Master's degree programme in Chemical Engineering on that basis:

- BSc Scheikundige Technologie

### Appendix G Application deadlines for admission (art. 4.5)

Deadlines for application are:

June 1st for EU students

April 15th for non-EU students