

Master-after-Master

Master of ICT Enterprise Architecture

Academic Year 2011 - 2013



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Enterprise Architecture means Impact

As an architect you want to achieve a 360° impact. You need to rebalance the entire ecosystem you are working in. This means working both on the content, process and context and on getting people and decisions on your side. *Master of Enterprise Architecture* is the only course that focuses on the role of Enterprise Architect, providing the student with the theories and practices required to achieve such impact. The emphasis is on research, complemented by techniques and skills.

Theory and Practice

The course is equally divided between theory and practice. Theories, techniques and methodologies are explained and applied to practical case studies. These include existing cases that are suggested by visiting lecturers, or cases to be solved by the students.

Each module consists of contact hours, a study of the scientific literature and individual or group assignments. The course is concluded with a Master thesis, in which the student must demonstrate being able to approach an architectural problem in a scientific way.

Target Audience

This course is aimed at professionals who wish to increase their impact via ICT Enterprise Architecture in a role involving architecture, ICT management, project or programme management.

Accredited Programme

This Master-after-Master curriculum was accredited in 2009 by the NVAO, the Accreditation Organisation that independently ensures the quality of higher education in the Netherlands and Flanders. Successful participants will receive an official Master-after-Master degree “Master of ICT Enterprise Architecture”.

Module 1: ICT Strategy & Masterplan

Prof. Dr. Aimé Heene - Universiteit Gent
ir. Jan Wilmaers - ir. Stef Devos - inno.com

November 2011

Capita Selecta 1: Development of Research Topics & Communication Practices

Prof. Dr. Guido Dedene - Katholieke Universiteit Leuven
Stephane Jans - Patrick Okerman - inno.com

Module 2: Business Architecture & Modeling

Prof. Dr. Guido Dedene - Katholieke Universiteit Leuven
ir. Stef Devos - Stephane Jans - inno.com

Module 3: Software & Application Architecture

Prof. Dr. Serge Demeyer - Universiteit Antwerpen
Prof. Dr. Viviane Jonckers - Vrije Universiteit Brussel
Dr. Tim Daniels - Patrick Clarebout - inno.com

Capita Selecta 2: Project & Process Management

Prof. Dr. Guido Dedene - Katholieke Universiteit Leuven
Stephane Jans - Patrick Okerman - inno.com

Module 4: Technical Architecture & Infrastructure

Prof. Dr. Theo D'Hondt - Vrije Universiteit Brussel
Koen Schram - Karel de Grote-hogeschool
Leo Vincent - Prof. Dr. ir. André Mariën - inno.com

Module 5: Enterprise Governance of ICT

Prof. Georges Ataya - Solvay Brussels School of
Economics and Management
Geert Hermans - Patrick Clarebout - inno.com

May 2013

Completion of Master Thesis

Promotion Ceremony

When	Courses	Coordinators
Oct 2011	Academic Opening Ceremony	
	Module 1: ICT Strategy & Masterplan Introduction to enterprise architecture, standard EA frameworks and methods, business strategy, organisation theories, from business strategy to ICT master plan, organisational change and communication.	<i>Universiteit Gent</i> Prof. Dr. Aimé Heene <i>inno.com</i> Jan Wilmaers, Stef Devos
	Capita Selecta 1: Development of Research Topics & Communication Practices Research methods, sources, presentation techniques, communication techniques.	<i>Katholieke Universiteit Leuven</i> Prof. Dr. Guido Dedene <i>inno.com</i> Stephane Jans, Patrick Okerman
	Module 2: Business Architecture & Modelling From business architecture to business analysis, business process modelling, business domain modelling, advanced modelling, application design.	<i>Katholieke Universiteit Leuven</i> Prof. Dr. Guido Dedene <i>inno.com</i> Stef Devos, Stephane Jans
	Module 3: Software & Application Architectures From business architecture to information system architecture, enterprise and design patterns, flexibility, legacy re-dynamisation, application cartography, requirements management.	<i>Vrije Universiteit Brussel</i> Prof. Dr. Viviane Jonckers <i>Universiteit Antwerpen</i> Prof. Dr. Serge Demeyer <i>inno.com</i> Tim Daniels, Patrick Clarebout
	Capita Selecta 2: Project & Process Management Project planning, process models, process maturity models, agile and lean, decision making for architects.	<i>Katholieke Universiteit Leuven</i> Prof. Dr. Guido Dedene <i>inno.com</i> Stephane Jans, Patrick Okerman
	Module 4: Technical Architectures & Infrastructure Infrastructure architecture, performance and capacity management, ATAM, security, introduction to ITIL.	<i>Vrije Universiteit Brussel</i> Prof. Dr. Theo D'Hondt <i>Karel de Grote-Hogeschool</i> Koen Schram <i>inno.com</i> Leo Vincent, André Mariën
	Module 5: Enterprise Governance of ICT Business/IT alignment, ICT governance, ICT organisation concepts and structures, ICT organisation maturity and enterprise architecture, ICT process frameworks.	<i>Solvay Brussels school of Economics and Management</i> Prof. George Ataya <i>inno.com</i> Geert Hermans, Patrick Clarebout
May 2013	Completion of Master Thesis and Promotion Ceremony	

Terms of admission

Candidates must hold a Master's degree or equivalent in Informatics, Applied Informatics, Business Sciences or Applied Sciences; have at least 5 years of demonstrable and relevant business experience and excellent technical and topical knowledge of English (non-native English speakers: TOEFL or IELTS required).

The admission procedure is conducted by the Selection & Intake Team. Candidates will be screened on motivation, CV, study curriculum and other relevant details.

To guarantee the quality of the course the number of participating students is limited to 25.

Tuition fee

The tuition fee is EUR 11.950 excl. VAT. This fee includes training fees, all training material and catering.

Location & Time

The course consists of 17 sessions of Thursday evening, Friday afternoon and Saturday morning, spaced 3 to 4 weeks, at inno.com offices in Beerzel, Belgium.

The total duration is 18 months, with a total workload of 1740 hours (60 credits), spread over tuition, preparation, assignment work and exams, followed by the completion of the Master thesis.

Language

All courses and assignments are in English.

Information & Application

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Organisation

Academic Supervisors

*Prof. Dr. Aimé Heene
Prof. Dr. Guido Dedene*

Programme Director

Stephane Jans

Thesis Commission

*Prof. Dr. Guido Dedene
Prof. Dr. Theo D'Hondt
Prof. Dr. Aimé Heene*

Selection & Intake

*Prof. Dr. Guido Dedene
Lucia Van de Ginste*

Programme Commission

*Johan Cattersel
Prof. Dr. Guido Dedene
Prof. Dr. Theo D'Hondt
Prof. Dr. Aimé Heene
Stephane Jans
Prof. Dr. Viviane Jonckers
Dr. Francis Rome
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