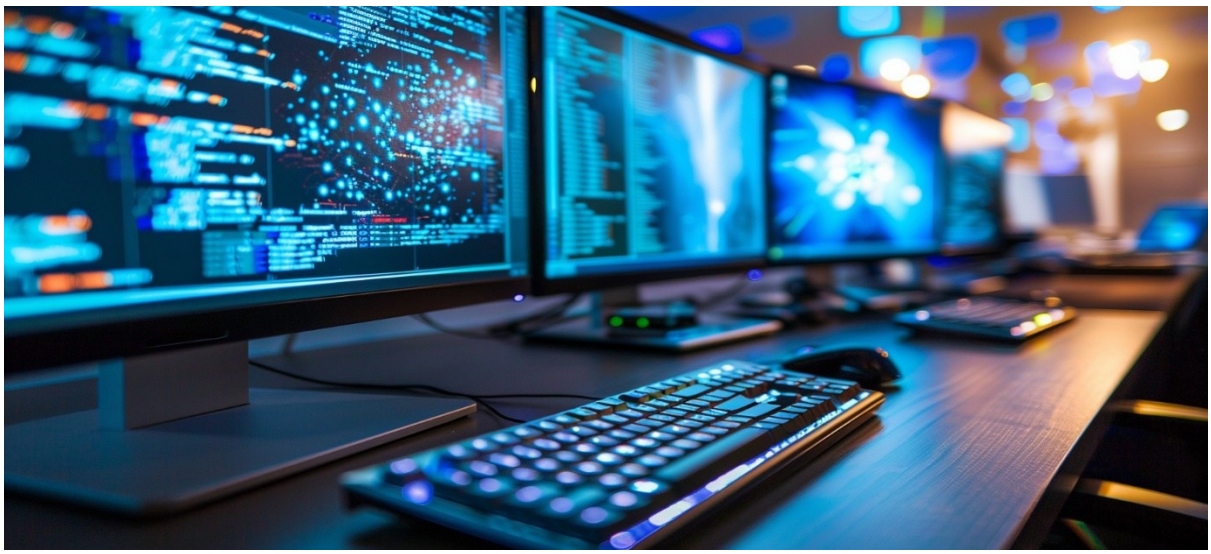
INSTITUTE OF MANAGEMENT & INFORMATION TECHNOLOGY

F A C T S H E E T

COMPACT

Controlled Software Development



Develop-Test-Accept-Produce

MINISTERIE VAN ONDERWIJS, WETENSCHAP EN CULTUUR ERKEND

OTAP

BLENDED ONLINE LEARNING

NOVA accredited programme

TRAINER

Caroline Bijlhout MSc

Review Board

Dr. Ing. Urwin W. Staphorst

Ing. Fabian Lewis MSc

SUBJECT TO ANY CHANGES 1.5.26

1. Position

The Controlled Software Development (CSD) course is offered by the Institute of Management and Information Technology (IMIT) in the context of the HBO training course Business ICT Management. This course forms part of the curriculum to develop ICT project management and implementation skills.

2. Context

In the Controlled Software Development (CSD) course, students gain practical experience in executing a complete ICT project. The course covers key themes such as requirements analysis, planning, team collaboration, OTAP* deployment, testing, and documentation.

3. Learning Objectives

Specific learning objectives:

- ✓ Develop a project plan, including task allocation, timelines, and resource management
- ✓ Perform functional and technical analyses to translate requirements into structured designs
- ✓ Collaborate effectively within a project team, demonstrating strong communication and teamwork skill
- ✓ Plan and execute project implementation across OTAP environments with minimal disruption

4. Entry Requirements

CSD – is a course on Education Level 2-3, builds on foundational ICT and project management knowledge and includes practical programming and database exercises.

To be admitted to the course, students should:

- Have basic programming knowledge to participate in practical exercises
  Be able to demonstrate basic Linux knowledge if required.
- Have a laptop with the necessary software installed, including:
  - o Database environment (e.g., Oracle XE)
  - o Development tools (e.g., SQL Developer or similar)

6. Instructional Method and Requirements

During this training, participants can expect:

- Classroom setting Lectures,
  with sufficient room to analyze real-world problems;
- Very hands-on in-class assignments;
- Search for reliable web content;
- ONLINE assignments;
- (Online) Clinics;

CSD is an integral part of the IMIT education program accredited by the "National Orgaan voor Accreditatie" NOVA. IMIT is recognized by The Ministry of Education, Science and Culture.

7. Study Load (Compact)

· Sessions: 10 x 3 hours = 30 hours

8. Study Plan (Compact)

Session	Date	Course/subject	Deliverables
1		**Week 1: Introduction** • Introduction to OTAP • Setting up the development environment (in team)	- Project plan
2		**Week 2: Development/migration phase** • Development activities (based on the team project plan)	- demo
3		**Week 3: Testing phase/test scenario's** • Setting up the test environment	- Test scenarios
4		**Week 4: Application test/feedback** • Processing feedback in the application	- Test results
5		**Week 5: User acceptance test** • Testing the application as end user	- Application Support
6		**Week 6: Preparation Go-live phase** • Prepare the IT checklist for the go live phase	- ICT Go-live checklist
7		**Week 7: Application deployment** • Presentation of the application	- up and running application
8		**Week 8: Project Outcomes** • Evaluate project quality and outcomes	- Process reflection report
9		• **EXAMINATION**	-Theoretical
10		• **EXAMINATION**	- Practical

*Technical Requirements: Windows * Laptop i5+ / 8+ GB memory*

About the lecturer

Caroline Bijlhout MSc – Dedicated

After Caroline had received a Bachelor Degree in Economics in 2007, she got into an Oracle boot camp for one year, which she finished successfully. From there on out she fulfilled diverse roles such as Oracle Application Developer, Information Analyst and Trainer, which made her, gain the experience needed in a technological environment. She also finished diverse other studies and holds a MSc degree in Strategy and Innovations. Her broad theoretical background enables her to transform faster through the cohesion of the acquired skills and knowledge processes in various areas. Because of this, she developed herself into a transformation specialist. When it comes to business processes within organizations, she contributes to making them, more efficient and effective by putting forward solution-oriented proposals. Within this process, the wishes of the users are also taken into account and users are guided to a more efficient and effective way of working. In practice, clients in complex situations are guided through counselling. Caroline has also lectured before in SQL and Project management.

INVESTMENT USD 1250 ALL IN