

INSTITUTE OF MANAGEMENT & INFORMATION TECHNOLOGY

FACTSHEET
COMPACT

Controlled Software Development



Develop-Test-Accept-Produce



Coach
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Review Board
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SUBJECT TO ANY CHANGES 22.12.25



1. Position

The ITP-2 – Implementing ICT Project-2 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. Students work on real-world assignments and exercises that simulate practical situations, enabling them to apply project management techniques, problem-solving skills, and communication strategies effectively.

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
- ✓ Apply problem-solving skills to develop practical and creative solutions to project challenges
- ✓ Prepare and deliver clear, professional presentations of project outcomes
- ✓ 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 and project assignments.
- Be able to demonstrate basic Linux knowledge if required.
- Have a laptop with the necessary software installed, including:
 - Database environment (e.g., Oracle XE)
 - 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;
- Supplementary research (hours);
to be completed at the student's convenience.



7. Study Load (Compact)

- Sessions: 10 x 3 hours = 30 hours

8. Study Plan (Compact)

Session	Date	Course/subject	Deliverables
1	IN-CLASS	Week 1: Introduction <ul style="list-style-type: none"> • Introduction to OTAP • Setting up the development environment (in team) 	- Project plan
2	IN-CLASS	Week 2: Development/migration phase <ul style="list-style-type: none"> • Development activities (based on the team project plan) 	- demo
3	ONLINE	Week 3: Testing phase/test scenario's <ul style="list-style-type: none"> • Setting up the test environment 	- Test scenarios
4	IN-CLASS	Week 4: Application test/feedback <ul style="list-style-type: none"> • Processing feedback in the application 	- Test results
5	ONLINE	Week 5: User acceptance test <ul style="list-style-type: none"> • Testing the application as end user 	- Application Support
6	IN-CLASS	Week 6: Preparation Go-live phase <ul style="list-style-type: none"> • Prepare the IT checklist for the go live phase 	- ICT Go-live checklist
7	IN-CLASS	Week 7: Application deployment <ul style="list-style-type: none"> • Presentation of the application 	- up and running application
8	ONLINE	Week 8: Project Outcomes <ul style="list-style-type: none"> • Evaluate project quality and outcomes 	- Process reflection report
9	ONLINE	• EXAMINATION	-Theoretical
10	IN-CLASS	• EXAMINATION	- Practical

9. Assignments

Final Assignment

- Application Demo: A live demonstration of the developed application, showcasing its key functionalities, user interface, and overall performance. This demo should clearly highlight how the application meets the project requirements and objectives.
- Process Reflection with Emphasis on OTAP Methodology
A detailed report explaining the entire development process, including planning, design, development, testing, and deployment phases. Special attention should be given to the OTAP methodology (Development, Testing, Acceptance, Production).

INVESTMENT USD 900 ALL IN

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.