

IT & Innovation 2 (BCS) (B-UCLL-MBI34J)

3 ECTS  English  Second term  Cannot be taken as part of an examination contract

 Melaerts Kristien (coordinator) | Melaerts Kristien

POC PBA Toegepaste informatica (Leuven)

Aims

DLR 6 The professional bachelor TI examines and critically evaluates existing and innovative IT solutions.

- The student can distinguish between an existing and an innovative solution.
- The student reports on existing or innovative IT solutions based on well-chosen source material and critical processing of available information.
- The student can use given information about innovative solutions.
- The student understands the importance of evaluation criteria to evaluate existing and innovative IT solutions and to benchmark them.
- The student compares existing and innovative IT solutions based on given criteria and can clearly formulate the advantages and disadvantages of each solution.
- The student can make general statements about the applicability of existing and innovative IT solutions.
- The student evaluates an IT solution, product, service or technology based on self-determined relevant criteria for a domain or sector.

DLR 7 The professional bachelor TI provides advice on IT solutions, products, services and technologies for various domains and/or sectors.

- The student formulates an opinion on an IT solution, product, service or technology based on an evaluation made.

DLR 9 The professional bachelor TI communicates, orally and in writing adapted to the target audience.

- The student can conduct a conversation in a manner adapted to the target audience (lecturers, students, persons from the professional field).

DLR 10 The professional bachelor TI is aware of the international context of the discipline.

- The student can fluently consult, understand, interpret and process international sources.
- The student can participate in international communities to broaden their knowledge.
- The student is aware of international IT-related trends and evolutions.

DLR 11 The professional bachelor TI is entrepreneurial, takes initiative and responds to new developments and application domains.

- The student understands the importance of lifelong learning.
- The student follows new developments within IT.
- The student can explain the most important developments within IT.

Previous knowledge

Students taking this OPO have as a foundation or acquire these competences partly at the same time as taking the OPO :

- competences achieved during the common OPO of the Professional Bachelor of Applied Computer Science programme:
 - an introduction to business-related IT aspects
 - a comprehensive knowledge of programming, full-stack development, software engineering, CI/CD, computer systems and networks, server and system management, databases and data management
 - a solid foundation of professional skills

Identical courses

This course is identical to the following courses:

MBI15H : IT & Innovation 2

MBI15E : IT & Innovation 2 (Afstand - Sem 1)

MBI15T : IT & Innovation 2 (Afstand - Sem 2)

MBI15J : IT & Innovation 2 (No longer offered this academic year)

Is included in these courses of study

PBA Applied Computer Science (Leuven), 180 ects. 

Activities

3 ects. **IT & Innovation 2 (BCS)** (B-UCLL-MBI34j)



3 ECTS  English Format: Lecture-practical-assignment   Second term

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Content

Lecture series:

- Number of lectures by external speakers on current and relevant topics organised by the university of applied sciences followed by a debate with fellow students and lecturer on content and critical reflection
- Number of external lectures on current and relevant topics chosen by students:
 - on the basis of guidelines
 - approval by lecturer required

Workshop(s): hands-on sessions leading up to lifelong learning

Lightning talks: students each give a short presentation on what they are working on during their internship and what they have learned

Course material

The study materials are provided via the online learning platform Toledo including any access to external platforms or websites.

Language of instruction: more information

This course unit is offered in English.

Format: more information

Explanation of the working format used in this course unit is shared on the Toledo course under section "Course information".

Evaluation

IT & Innovation 2 (BCS) (B-UCLL-M83825)



Type : Continuous assessment without exam during the examination period

Description of evaluation : Report, Presentation, Self assessment/Peer assessment

Explanation

Assessment	Grading scale
TOTAL	1-20/20 scale

Points to be achieved: 20

- 20 marks on partial assignments

Further notes on the evaluation of this course unit are shared on the Toledo course under section "About the evaluation".

Information about retaking exams

The examination format of the resit differs from the examination format 1st examination opportunity, in order to assess students for the resit in the same way.

Points to be obtained: 20

- 6 marks on partial assignments (transferred from 1st examination opportunity)
- 14 marks on
 - partial assignments

- oral examination

Further explanation on the resit of this course unit is shared on the Toledo course under section "About the evaluation".

 Required in stage	 Optional in stage	 First term	 Second term	 Both terms
 This year	 Next year	 Alternating years	 External	 Prerequisites
 Taught by	 Language of instruction	 Duration		