

Senior Workplace Project (BCS) (B-UCLL-MBI20J)

6 ECTS  English  First term  Cannot be taken as part of an examination contract

 Engels Steven (coordinator) | Engels Steven | Melaerts Kristien

POC PBA Toegepaste informatica (Leuven)

Aims

DLR 3 The professional bachelor Applied Computer Science designs, builds, documents and tests quality IT solutions.

- The student can use more complex version control (git) and also applies all the necessary functionalities of version control.
- The student uses the version control system in detecting and correcting erroneous code.

DLR 8 The professional bachelor Applied Computer Science can realize an assignment in a project-based manner, while both working independently and in a multidisciplinary and/or multicultural team. The professional bachelor Applied Computer Science can perform simple managerial tasks and design, interpret, implement, modify and explain a project plan.

- The student can break down a technical specification/selected IT solution into tasks for a team and assign priorities
- The student can maintain an overarching view of the task/project at all times.
- The student can take on a coaching role.
- The student can perform simple managerial tasks.
- The student can flexibly handle differences in technical baggage and/or study background within a team.
- The student can apply the basic principles of conflict management.

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The student actively participates in pair programming.

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The student can organize and follow-up quality and structured actions in an IT project

DLR 9 The professional bachelor Applied Computer Science communicates in English, orally and in writing adapted to the target audience.

- The student can facilitate coordination moments of junior students with clients and lecturers.
- The student can coach towards efficient communication between junior students and lecturers and junior students and clients.
- The student can efficiently hold meetings in English in an IT context.
- The student is able to report efficiently in English in an IT context concerning the project progress.
- The student can support and coach the junior student and do quality control regarding the final presentation.

DLR 11 The professional bachelor Applied Computer Science is enterprising, takes initiative and reacts to new developments and application domains.

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The student can adequately integrate feedback into her/his own actions.

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The student can adapt her/his behaviour according to the needs of the team.

Previous knowledge

The following prior knowledge is expected in this course unit:

- The student has extensive knowledge in full-stack development.
- The student has extensive knowledge in software engineering.
- The student has extensive knowledge in TDD.
- The student has extensive knowledge about CI/CD.

Identical courses

This course is identical to the following courses:

MBI20H : Senior Werkplekproject

MBI20E : Senior Werkplekproject (Afstand - Sem 1)

MBI20T : Senior Werkplekproject (Afstand - Sem 2)

Is included in these courses of study

PBA Applied Computer Science (Leuven), 180 ects. 

Activities

6 ects. Senior Workplace Project (BCS) (B-UCLL-MBI20j)

6 ECTS  **English** **Format: Lecture-practical-assignment**   **First term**

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Content

The Senior Workplace Project prepares senior students towards coaching employees, leading a project and communicating about it. Senior students guide a team of junior students in developing an IT solution in response to a challenge provided by a company. In doing so, they use the Agile project management approach to structure the development within a team and deliver their IT solution.

Preparation for project management:

- Planning, monitoring and updating, quality assurance.
- Reporting
- Leading a project/project team
- Technical and professional coaching of junior profiles
- Professional skills: acting flexibly taking into account team diversity, conflict management.

Apply project management skills to the project and the project team of OPO Junior Workplace Learning which focuses on delivering a project for a company/organization/R&E:

- Team of junior (phase 2) and senior (phase 3) students
- Realistic problem
- Related to one or more specialization electives
- Contact with professionals

Course material

Study materials will be made available through the Toledo online learning platform including any access to external platforms or websites.

Language of instruction: more information

This course is offered in English.

Format: more information

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

Evaluation

Senior Workplace Project (BCS) (B-UCLL-M83289)

Type : Partial or continuous assessment with (final) exam during the examination period

Learning material : Course material

Explanation

Assessment	Grading scale
TOTAL	1-20/20 scale

Points to be obtained: 20

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

Information about retaking exams

No 2nd examination opportunity.

 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		