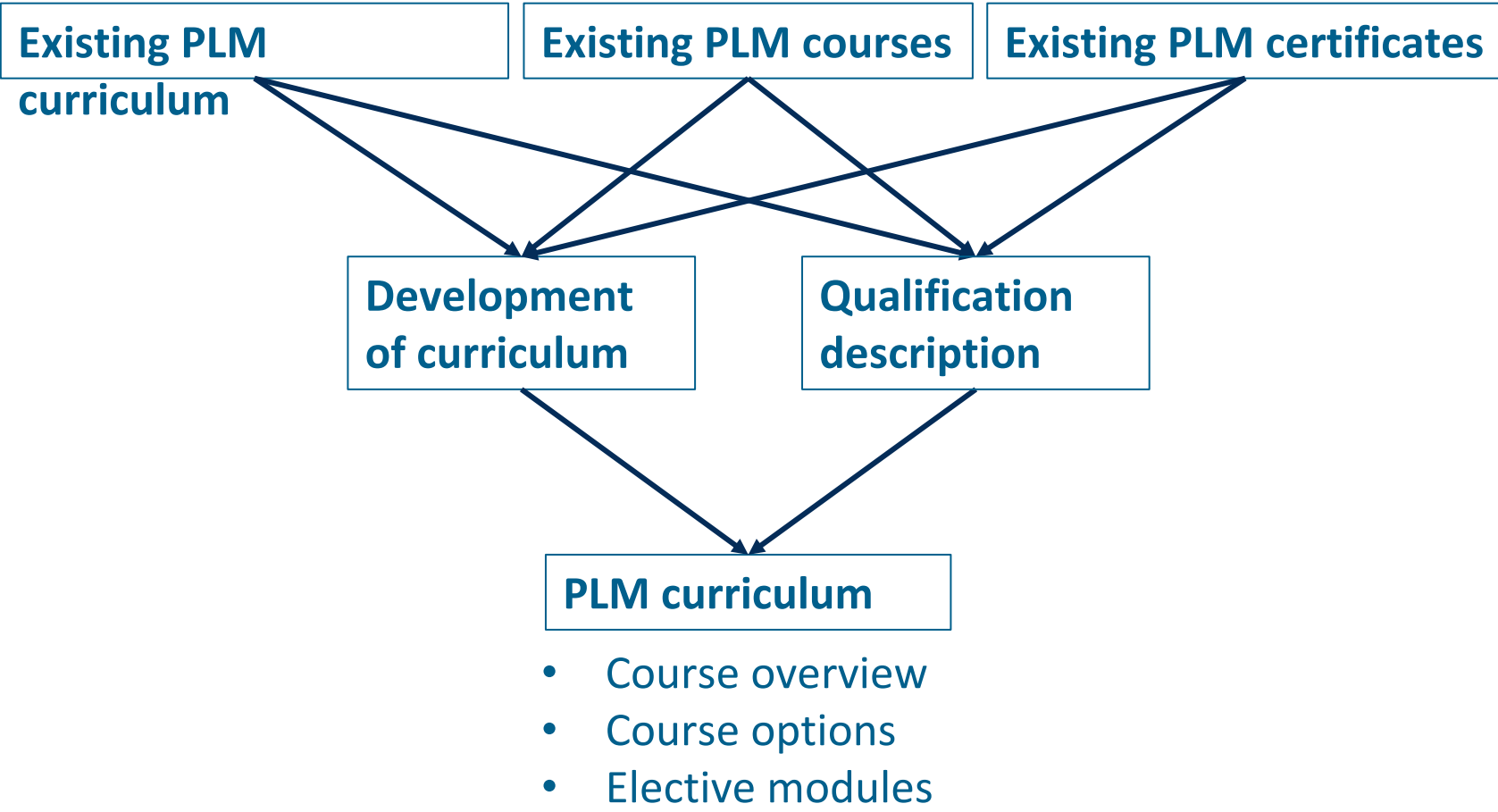
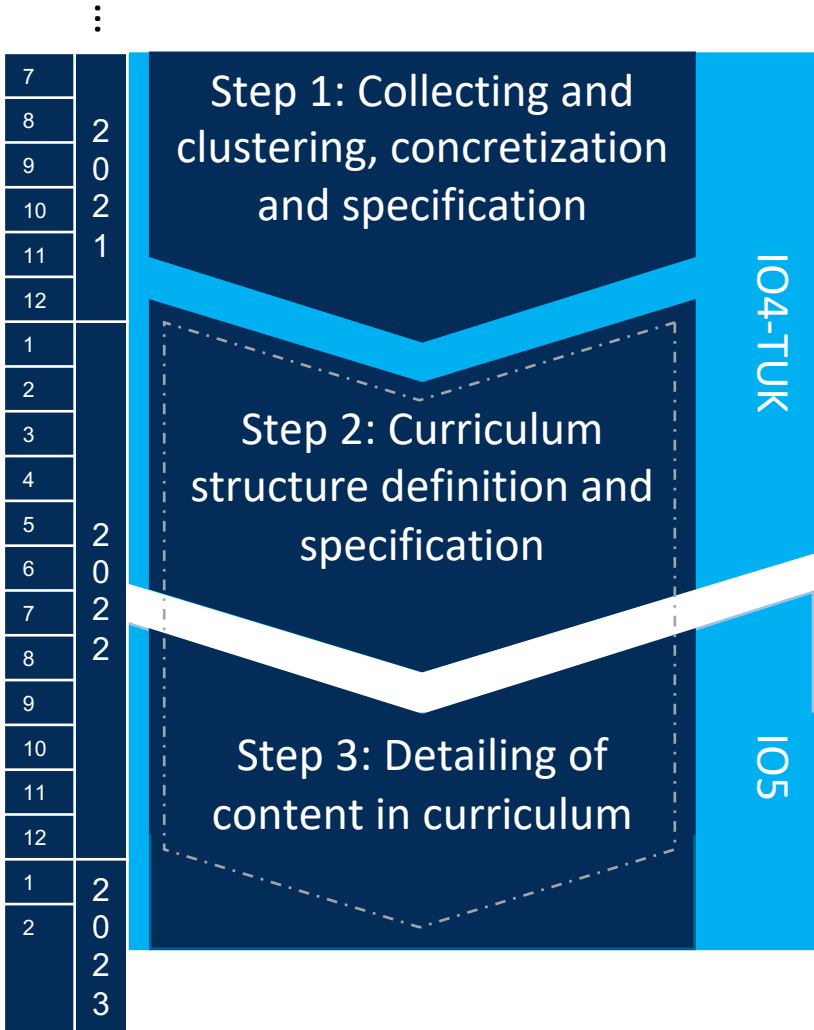


Overview of IO4 Contents



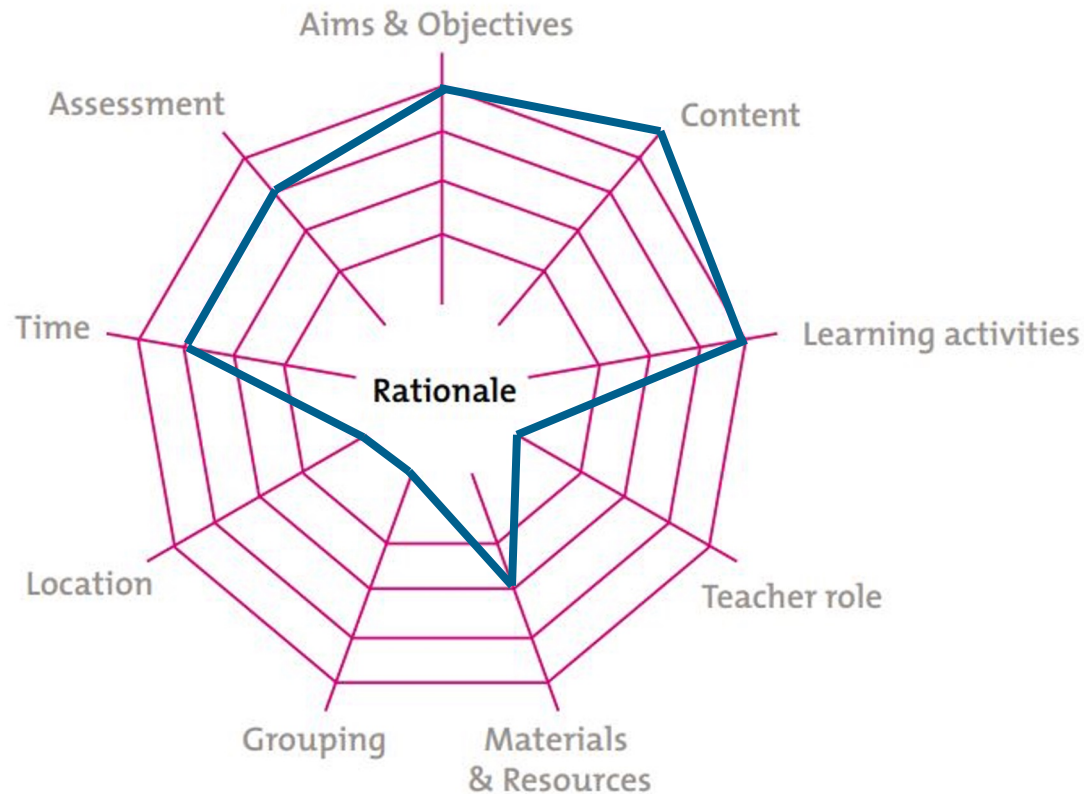
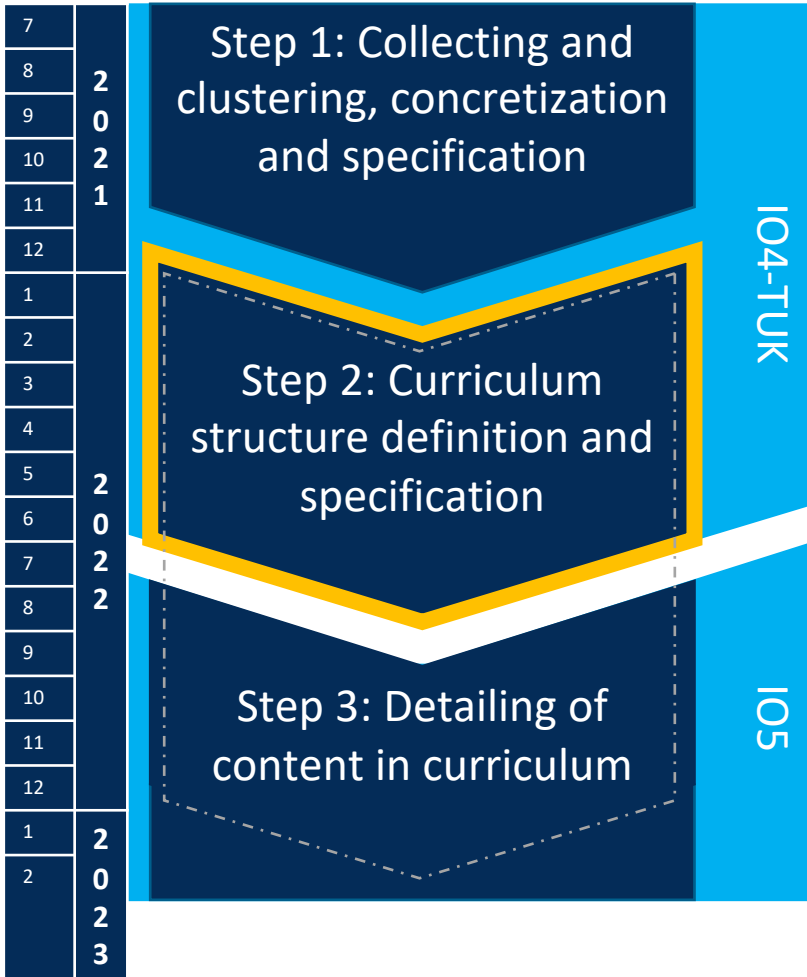


Figure: The curricular spider web (Thijs and van de Akker 2009)

| Component | Question |
|----------------------------|---|
| Rationale | Why are they learning? |
| Aims and Objectives | Towards which goals are they learning? |
| Content | What are they learning? |
| Learning Activities | How are they learning? |
| Teacher Role | How is the teacher facilitating their learning? |
| Materials and Resources | With what are they learning? |
| Grouping | With whom are they learning? |
| Location | Where are they learning? |
| Time | When are they learning? |
| Assessment | How is their learning assessed? |

Retrospective tasks

⋮



Iteration and Improvement of the Curriculum Structure Definition based on the Project Meeting Discussion in Bochum in May 2022

- Documentation, Consolidation and Integration of the discussed Inputs ✓
- Provision of an updated Version of the Curriculum Structure (from May to now) ✓
- Collecting additional Inputs and Feedback of the Project Partners (TUK, RUB, TU Vienna and Ege University) ✓
- Generating a new updated Version of the Curriculum Structure as basis for the Workshop in Vienna ✓

Goals for Transnational Meeting in Vienna in October 2022 ✓

- Finalizing the Curriculum Structure ✓

Goals for Transnational Meeting in Valencia in March 2023 ✓

- Detailing Courses in consultation with IO5/TU Vienna ✓

Conceptual Overview of Curriculum

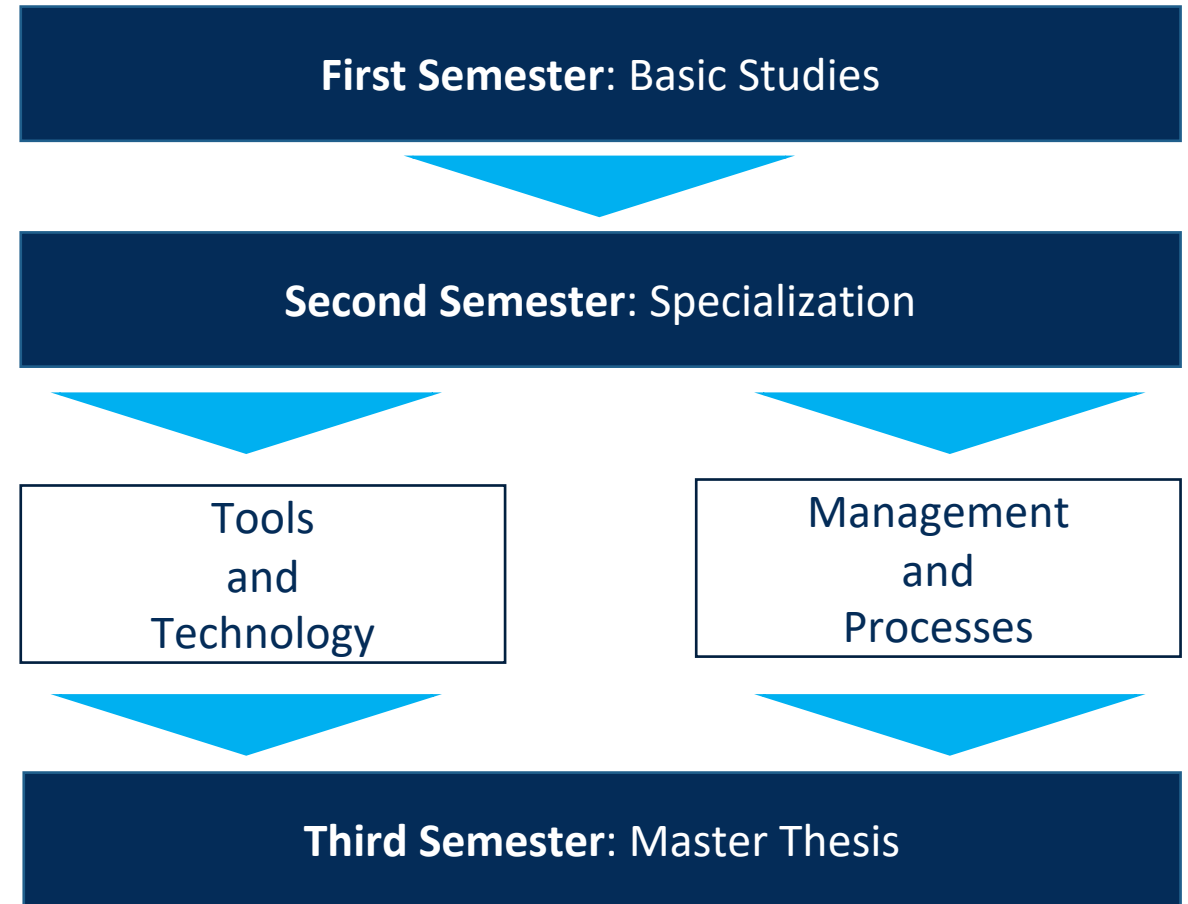
Content and structure:

- Mandatory courses
- Elective courses
- Scientific work
- Group work

90 ECTS
(1 ECTS = 25 working hours)

- ➔ The mandatory courses contain the core content of the curriculum and impart basic and specialized knowledge.
- ➔ The Electives focus only on specialized knowledge, special fields of application and research questions, and special methods of the respective discipline.
- ➔ The amount of ECTS credits allocated to elective subjects may not exceed half of the total study ECTS credits.

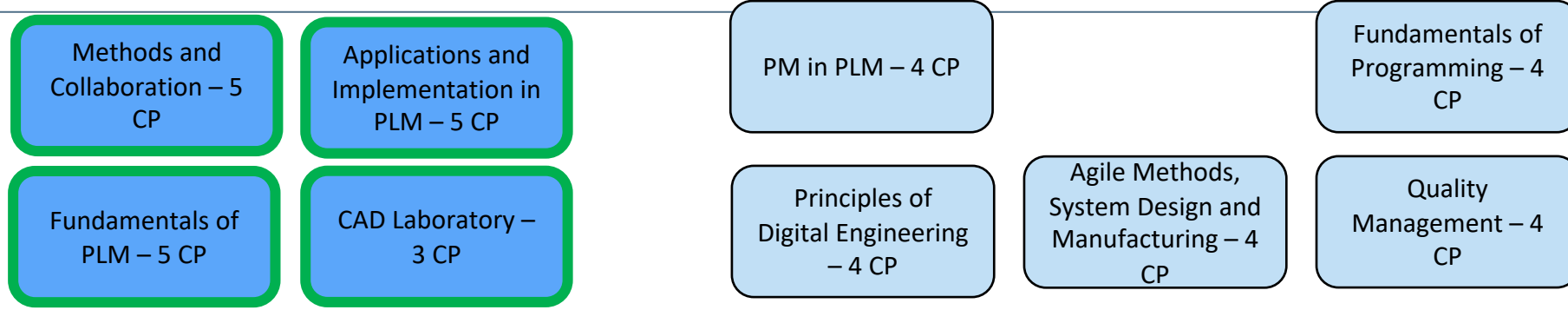
Bruckmann et al. 2012; Aigner et al. 2010



Early Draft of PLM Curriculum (discussed in Vienna)



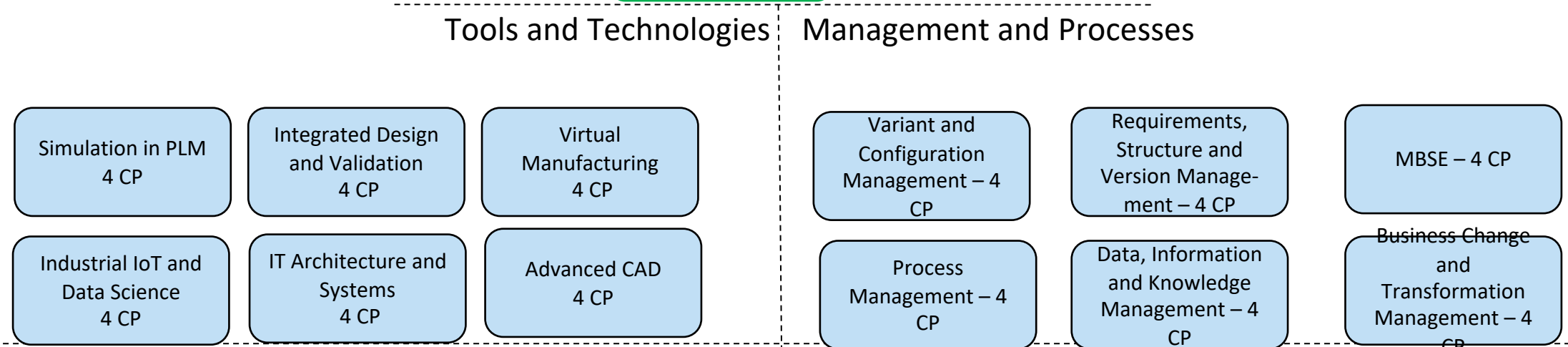
1. Semester



Practical Team Project – 6 CP

$\Sigma = 6 + 6 \times 4$ ECTS

2. Semester



3. Semester

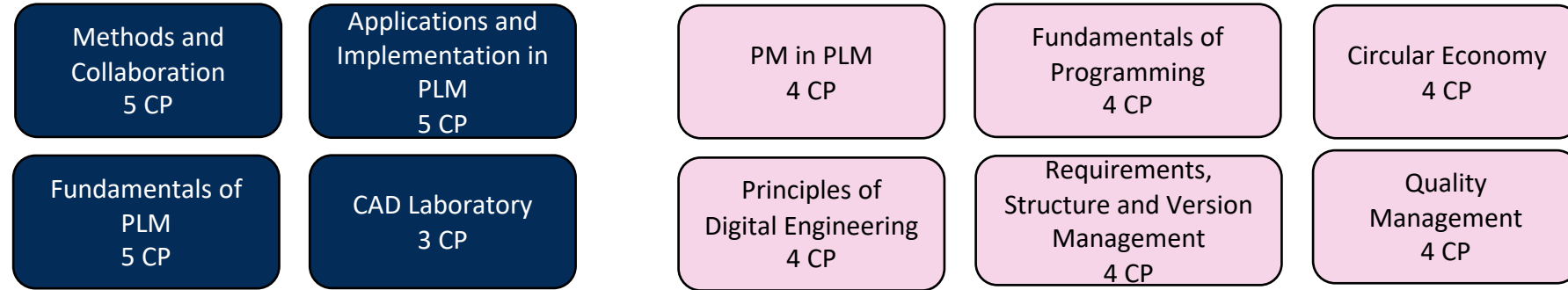
Scientific Ethics – 2 CP

Master Thesis – 28 CP

$\Sigma = 2 + 28$ ECTS

Conceptual PLM Curriculum (discussed in Valencia)

1. Semester

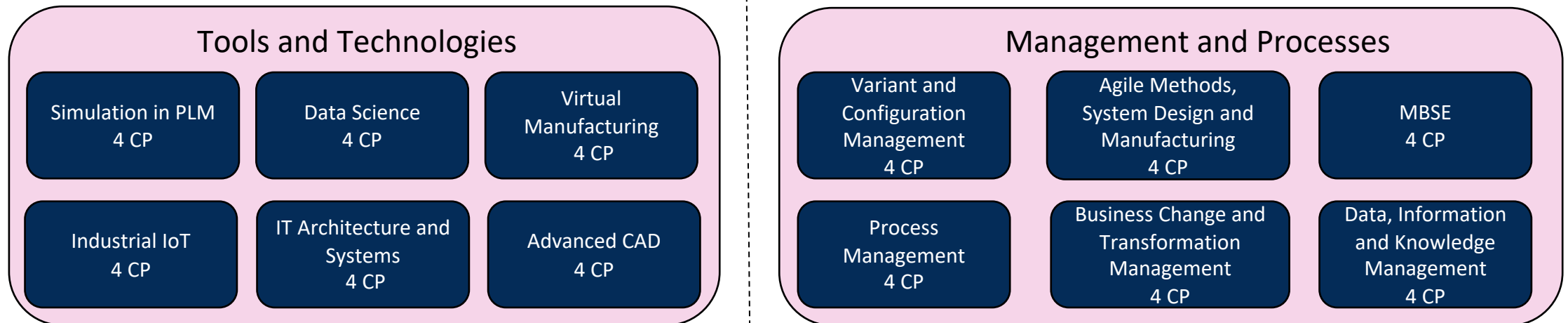


$\Sigma = 18 + 3 \times 4$ ECTS



$\Sigma = 6 + 6 \times 4$ ECTS

2. Semester



$\Sigma = 30$ ECTS

3. Semester

