



# Implementation of Innovative ICT Based Teaching & Learning Environments (related to **WP3**)

Erasmus+ Project “PHYSICS”

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*KU Leuven Technologicampus Oostende*

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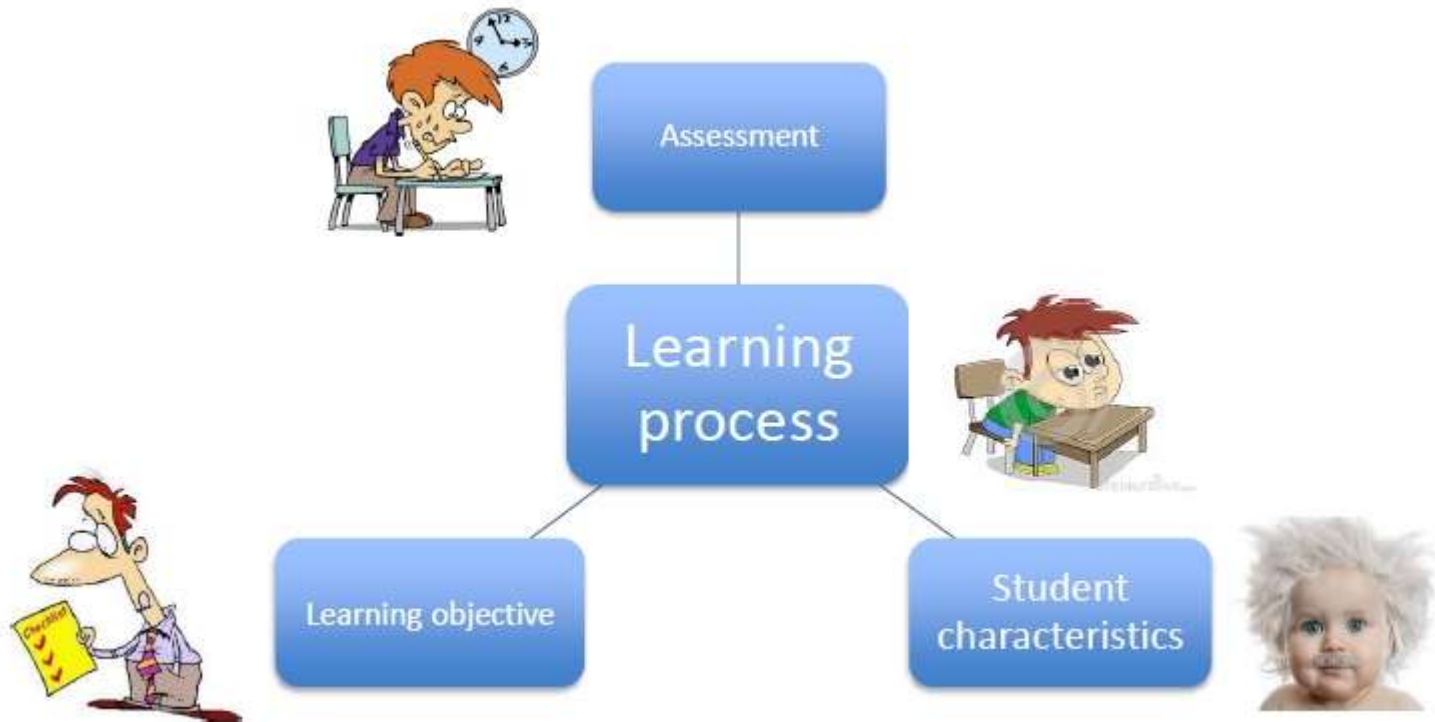
# Main goal (as a reminder)

- Teaching and preparing students:
  - ✓ *To think and act as an academic skilled person*
  - ✓ *Preparing students, both for:*
    - *An academic and **research oriented** career*
    - *An **industry oriented** career*
- Taking in account:
  - ✓ *Transforming from “5 + 1” → “4 + 2” → Content of the e-books*
  - ✓ *Digital learning environment →*  
*Toledo or Moodle as a platform to “facilitate”*

# Main goal *(as a reminder)*

Embedding the learning process in a Learning Environment:

→ Model:



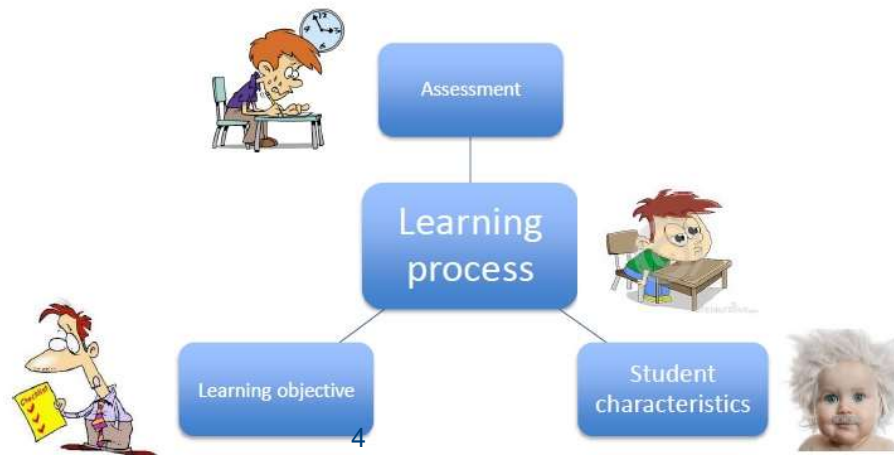
# Main goal *(as a reminder)*

- The **learning objectives** for each course need to be formulated:
  - ✓ knowledge, attitudes, skills, ... to be reached
    - the teacher as well as the student need a clear objective, a clear reference
- The **student characteristics** are important:
  - ✓ prior knowledge, motivation, interests, age, ...
    - the teacher as well as the student need to know where to start from...
- The student needs to be **evaluated (assessment)**:
  - ✓ formative and summative, ... when, what, how, ...
    - The assessment needs to be representative in relation to the learning objectives

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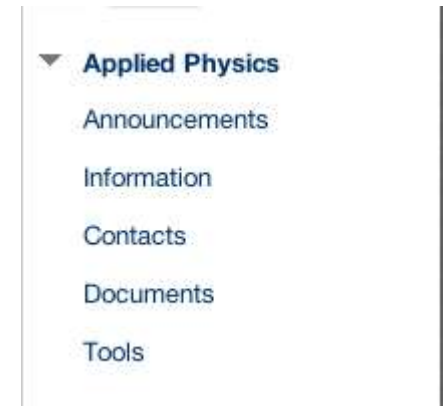
Digitizing the **content of courses** makes it possible to apply a digital learning platform, such as Toledo or Moodle, and to:

- ✓ Adjust and elaborate the course content
- ✓ **Structure and re-structure the content**, while adapting to
  - The learning outcomes
  - The students needs
  - The students' learning process



# The use of Toledo

- In a **Toledo community - Blackboard community**, a part of the course “Applied Physics” has been made.
- Let’s have a look... :
  - See: <https://toledo.kuleuven.be/>
  - Hands-on “presentation”



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