

Glossary of domain concepts

Teacher

A person who teaches one or more **scheduled sessions** at the university.

Student

A person who aims to complete university studies and obtain a degree.

A student may enroll in **scheduled courses** within specific semesters and obtain grades for them.

A student may register for **scheduled sessions** and attend them.

Course

A university educational offering representing training in a specific subject area.

Examples: "Formal languages and automata", "Introduction to Databases".

Academic Year

A defined one-year study period, typically running from autumn to summer.

Examples: 2023/2024, 2024/2025, 2025/2026.

Semester (enum)

A period within an academic year during which **scheduled courses** take place and are evaluated.

Values: winter, summer.

Scheduled Course

An instance of a course offered during a specific **academic year** and **semester** of that year.

A scheduled course consists of one or more **scheduled sessions** and may have enrolled **students**.

Scheduled Session

An activity that realizes a **scheduled course**. A **scheduled course** is realized by one or more scheduled sessions.

Scheduled session is scheduled on a specific **teaching day** within a specific **time slot** or a sequence of consecutive **time slots**. Each scheduled session repeats implicitly on weekly basis (no need to model this).

A scheduled session is taught by one or more **teachers**, takes place in exactly one **room**, and is attended by one or more **students**.

Room

A specific physical space where scheduled sessions take place. Examples: M-I, M-II.

Time Slot (enum)

A predefined time periods for **scheduled sessions**.

Values: 8:10 - 8:55, 9:00 - 9:45, 9:50 - 10:35,, 19:00 - 19:45 (45-minutes long time slots with 5 minutes break between two consecutive time slots)

Teaching Day (enum)

A day when **scheduled sessions** take place.

Values: Monday to Friday.