

Course Registration Use Case

Use Case ID: UC01

Use Case Name: Course Registration

Description:

This use case allows students to register for courses, create schedules, view prospectus, and modify schedules at the beginning of the semester. It also facilitates communication with the payment system and allows tutors to view their teaching assignments.

Primary Actor:

Student

Secondary Actor:

Tutor, Registrar, Payment System

Pre-conditions:

- The student must be registered in the system.
- The course prospectus is available.
- Tutors and course details are available in the system.

Post-conditions:

- The student is enrolled in selected courses.
- Payment bill is sent to the student.

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- Courses with less than 3 students are cancelled.
- Courses with more than 10 students are full and cannot accept more students.

Trigger:

Student logs into the system at the beginning of the semester.

Primary Flow:

1. Student logs into the system.
2. Student requests the course prospectus.
3. Student creates a schedule and selects four primary courses and two alternatives.
4. Student submits the schedule.
5. System checks course availability.
6. System enrolls the student in courses and updates the course list.
7. System sends a message to the payment system to generate a bill.

Alternative Flow:

- If a course is full, the system enrolls the student in an alternative course.
- If a course is cancelled (less than 3 students), the system notifies the student and enrolls them in an alternative course.

Exception Flow:

- If the student does not meet the prerequisites, the system prevents enrollment and notifies the student.

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- If the student tries to enroll after the registration period, the system prevents the action and notifies the student.