UML Sequence Diagram(s)

Participants: Student | ULS | Registrar | Instructors

loop [everyday]

- Instructors → Registrar: submit reports about all the students enrolled in their classes
- Registrar → ULS: sends the reports about each student
- ULS → ULS: creates a list of students who are eligible for various exams

opt [student is eligible for an exam they tentatively registered for]

- ULS → Registrar: forward exam registration request
- ULS → Student: notify about the exam registration request that has been made to the Registrar

(end loop)

- Student → ULS: clicks "start exam registration" button
- ULS → Student: displays the list of exams associated with the courses the student is taking
- Student → ULS: selects the exams they want to register for and submits the registration form
- ULS → ULS: store the selections made by the user

loop [each exam registration request]

alt [if student meets pre-requisites for taking the exam]

- ULS → Registrar: tries to forward exam registration request for the exams the student is allowed to register for

break [Registrar's system is down]

- ULS → Student: notify that the Registrar's system is down and so the user needs to retry later

break [Internal Error]

- ULS → Student: notify that there was an internal error and so the user needs to register in person

- Registrar → ULS: acknowledges whether registration was successful
- ULS → Student: notify whether registration was successful

[if student does not meet pre-requisites for taking the exam]

- ULS → ULS: adds the exam registration request to a list of tentative exams
- ULS → Student: notify that registration was tentative

(end alt / loop)

- Registrar → Instructors: sends a list of registered examinees