School course

The task is to create a State diagram for an object **Course**.

- The new course first needs to be designed. If the management agrees, it has to be planned (syllabus, valuation, . . .).
- Then, the registration is opened, and students can register the course. If its capacity is full, the following students are added to the waiting queue (if someone cancels the registration, the first student from the queue is registered).
- When the registration is closed, the semester starts, and the course begins.
- If something happens to the teacher of the course, it is canceled. Unless the semester already started, then students have to learn the subject on their own and finish the course.
- After the semester, the exam period starts.
- The course can be regular or one-time.