HW1 - ER diagrams

1. Professors can teach the same course in several semesters, and each offering must be recorded.

   ![Diagram 1](image1.png)

2. Professors can teach the same course in several semesters, and only the most recent one needs to be recorded.

   ![Diagram 2](image2.png)

3. Every professor must teach some course

   ![Diagram 3](image3.png)
4. Every professor teaches exactly one course.

5. Every professor teaches exactly one course and every course must be taught.