

\* Please meet with your team members online to work on this assignment.

Use Visual Paradigm to draw a class diagram for the scenario described below. Submit your final diagram via iCollege (you can either export the diagram as an image or take a screenshot). Use the same notation that you learned in class/book. Only one member of your group needs to submit the final diagram.

- **Courses** have course ID, course name, and number of credit hours.
- **Students** and **instructors** are persons.
- A **person** has a first name, last name, address (composed of street line 1, street line 2, city, zip code, and country) and a birthplace.
- Students also have a city of residence, email, phone number, and major.
- Instructors also have employment type (i.e., part-time or full-time) and insurance information.
- Instructors are “part-of” a **department**.
- An instructor may advise one or more students, and a student can have only one advisor.
- Students can enroll in zero or more courses; each student receives a **grade** for each course that s/he is enrolled in.
- Instructors can teach different courses; each course that each instructor teaches has a specific room number, day of week, and time (**Course\_Details**).

If you need any additional information to create the class diagram, you can just assume you have the information and submit your assumptions along with the class diagram.

*Hint: the highlighted words are the classes that you need to create. In your model. Your model will have association, generalization, and aggregation relationships. Your model will also have association classes.*