**MIS 6308 – Assignment 2.2: Class Diagrams (20 points)**

***Assignment:*** Consider the following scenario then complete the exercises below:

You have been hired to upgrade an online university registration system (URS). The system should enable the staff of each academic department to examine the courses offered by their department, add and remove courses, and change the information about them (e.g., the maximum number of students permitted). It should permit students to examine currently available courses, add and drop courses to and from their schedules, and examine the courses for which they are enrolled. Department staff should be able to print a variety of reports about the courses and the students enrolled in them. The system should ensure that no student takes too many courses and that students who have any unpaid fees are not permitted to register (assume that fees data are maintained by the university’s financial office, which the registration system accesses but does not change)

***Exercises:***

Create a ***Class Diagram*** for the URS scenario. (20 points)

Please consider the following business rules:

1. Faculty and Staff are assigned a staff id when they are hired. Name, role, department, phone number, and email are recorded for each.
2. URS tracks which classes a student has registered for. A student can enroll in many classes and a class can have many students enrolled.
3. Not every student will have unpaid fees.
4. Each student gets a bill for unpaid fees at the beginning of the semester.

Remember to label your classes accurately and label the relationships (associations) between classes. *List the major attributes and operations for each class.* Include the class diagram as an image.

Submit your completed assignment as an attachment (.docx, or .pdf) via eLearning.