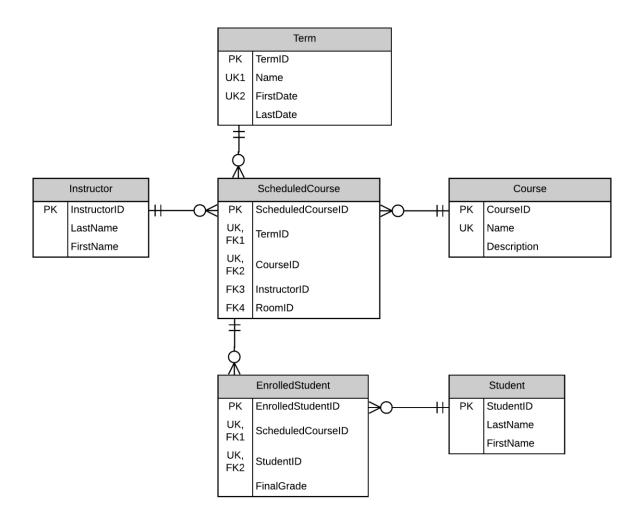
Name:	eID:	Page 1 of 3

Exam 1 – Practice A

Database Design

The questions on this exam use tables from the below diagram. For the most part, the complete column specifications are unimportant for the purposes of this exam, but make note of the following:

- All columns in the database do not allow nulls. That is, they are defined with NOT NULL.
- All primary key columns and the referencing foreign key columns are of type INT.
- All Name columns (including LastName and FirstName) in all tables are of type NVARCHAR.
- The FinalGrade column in the EnrolledStudents table is of type DECIMAL(5,2). This simply means it supports values from 0.00 to 100.00, such as 79.5 and 90.25.



1. Write a query to return all students enrolled in either CIS560 or CIS562 for the term of Fall 2018. "Fall 2018" will appear as a Name in the Term table, and "CIS560", for example, is the Name in Course.

Required Result Columns

LastName – The last name of the student as it appears in LastName of Student.

FirstName – The first name of the student as it appears in FirstName of Student.

StudentID – The identifier of the student as it appears in StudentID of Student.

CourseName – The name of the course as it appears in Name of Course.

Implementation Requirements

The results should be sorted by LastName, then FirstName, and finally StudentID all in ascending order.

Nar	ne:	eID: Page 3 of 3			
2.		rite a query to return all instructors who are not teaching during the Fall 2018 term. "Fall 2018" Il appear as the Name in the Term table to identify the Fall 2018 term.			
	Required Result Columns InstructorID – The identifier of the instructor as it appears in InstructorID of Instructor. LastName – The last name of the instructor as it appears in LastName of Instructor. FirstName – The first name of the instructor as it appears in FirstName of Instructor.				
	Implementation Requirements				
	a.	., ., .,,			
	b. c.	Each table in your solution should be referenced only once. The results should be sorted by LastName, then FirstName, and finally InstructorID all in ascending order.			

3. Write a query as an alternate solution to *Question 2*. This solution **should use a subquery**, which can either be self-contained or correlated. All other requirements are the same as *Question 2*, including

that each table should be referenced only once.