(10-point) Convert the following ER diagram into a relational database schema:

(90-point) Express the following queries on the above schema in both relational algebra (20-point each) and relational calculus (10-point each):

1. Find names of all students who take at least two courses taught by Peterson but take only one course from Davidson.
2. Find S_IDs of the students who take all courses taught by Davidson.
3. Find all instructors (C_InstNames) who currently teach at least three courses.

Please submit legible answers.