1)PK = (StudentID, CourseID, InstructorID, TimeSlot, Room)

2) 1. StudentID → StudentMajor
2. CourseID → CourseName
3. InstructorID → InstructorName
4. (Room, TimeSlot) → Building
5. (CourseID, InstructorID, TimeSlot, Room) → defines a course section
6. (StudentID, CourseID, InstructorID, TimeSlot, Room) → all attributes (by PK)

3) The table is not in BCNF because there are functional dependencies where the left-hand side (determinant) is not a superkey.

5) There is no loss of information after decomposition.
All original data can be reconstructed by joining the tables.

4)