1.

Au
=

course (coursecode , course venue , Instructor's name, Departm

Here, 1NF (Normal form) is not obeyed.

Because   Course venue   is a composite attribute

which has block name, block number, Room number,

department block number etc.

So, inorder to rectify this, we divide the course

venue   to Room, block.NO, block.Name

So,
    course (coursecode , Room.No, Block.NO, Block.Nam
                                    Instructor's Name, Department)

=) After this, 3NF violates for Room.NO, Block.NO becau
there are transitive dependent.

2.

Au. @ : Reduce data Redunancy and improve

integrity.

3 Au : 3NF !

   @ It should be in 2NF

   ⓑ And should never have transitive dependenc

Ans (i) Demerits:

i) citycode and city are repeated if the d.b has same cities, and so that the size of the table increases and the reducancy effects more. (Insertion Anomaly)

(ii) If the information in db is deleted like if we drop rows in the table then the information of city and citycode is also deleted. It leads to (deletion Anomaly)

(ii) 3NF is voilated, because citycode is transitively dependent on city.

To rectify this :-

Create a table city table with scity, citycode as primary keys where scity is foreign key in the supplier table.