

Assignment 1

Task 2

Discrepancies found:

- (1) Missing tag [1..*] attached to an attribute "learning-outcomes" in a class SUBJECT-DESCRIPTION
- (2) Missing ID in TUTORIAL class
- (3) Missing qualification the middle of association "Is-enrolled-in" causing incorrect identifier in a class ENROLMENT
- (4) Missing tag [0..1] attached to an attribute "final-result" in a class ENROLMENT
- (5) Missing generalization of the classes LECTURER, TUTOR into a class STAFF
- (6) Missing a class LOCATION (building-number ID, room-number ID) and associations LECTURER "Is-located-at" LOCATION and TUTORIAL-CLASS "Is-located-at" LOCATION.
- (7) A student can be enrolled in a tutorial class which is associated with a subject not enrolled by the student. It means that Is-enrolled-in should be between association class ENROLMENT and TUTORIAL-CLASS.
- (8) Despite what I wrote that there are no problems with multiplicities of associations and if we skip discrepancy (7) then it is also possible to say that a student can be enrolled in more than one tutorial, i.e. a multiplicity of Is-enrolled-in on TUTORIAL side should be "many" (1..* or 0..*). If we do not skip (7) then the a multiplicity of ENROLMENT Is-enrolled-in TUTORIAL-CLASS should be "many-to-one".

In improved diagram is included below.

