(class_code, course_number, descriptive_title)

SUBJECT —(1,N)— SUB_EXP —(1,1)— **EXPERIMENT** (exp_id, exp_no, exp_name)

(1,N)

STU_SUB

(exp_no, exp_name, app_name)

EXP_APP

(0,1) (stud_id, first_name, last_name, year, course)

(borrow_id, borrow_date, borrow_time, borrow_quantity)

(app_id, app_name) (1,N)

(0,N) **STUDENT** —(1,N)— BORROW —(1,N)— **APPARATUS**

(1,N) (1,N)

(return_id, return_date, return_time, return_quantity, return_remarks)

RETURN

(comp_id, comp_date, comp_remarks) (0,N)

COMPENSATION —(0,1)— **COMPENSATE**

Relational Schema:

SUBJECT(**class_code**, course_number, descriptive_title)

STUDENT(**stud_id** , first_name , last_name , course , year, class_code, course_number)
      FK class_code References SUBJECT Nulls Not Allowed,
         Delete Restrict, Update Cascade
        course_number References SUBJECT Nulls Not Allowed
         Delete Restrict, Update Cascade

EXPERIMENT(**exp_id**, exp_no , exp_name , subj_name)
      FK subj_name References SUBJECT Nulls Not Allowed,
         Delete Restrict, Update Cascade

APPARATUS(**app_id** , app_name)

EXP_ APP(**exp_no** , **exp_name**, **app_name**)
    FK exp_no References EXPERIMENT Nulls Not Allowed,
        Delete Restrict, Update Cascade
      exp_name References EXPERIMENT Nulls Not Allowed,
        Delete Restrict, Update Cascade
      app_name References APPARATUS Nulls Not Allowed.
        Delete Restrict, Update Cascade

BORROW(**borrow_id** , borrow_date , borrow_time , app_name , borrow_quantity , stud_id)
    FK stud_id References STUDENT Nulls Not Allowed,
        Delete Restrict, Update Cascade
      app_name References APPARATUS Nulls Not Allowed,
        Delete Restrict, Update Cascade

RETURN(**return_id** , return_date , return_time ,return_quantity ,return_remarks ,stud_id)
    FK stud_id References STUDENT Nulls Not Allowed,
        Delete Restrict, Update Cascade
      app_name References APPARATUS Nulls Not Allowed,
        Delete Restrict, Update Cascade

Compensate(**comp_id** ,comp_date ,comp_remarks , return_remarks, app_name ,stud_id)
    FK stud_id References STUDENT Nulls Not Allowed,
        Delete Restrict, Update Cascade
      app_name References APPARATUS Nulls Not Allowed,
        Delete Restrict, Update Cascade
      Return_remarks Nulls Not Allowed,
        Delete Restrict, Update Cascade.