Teaching Management

Courses
  - Course
    - CourseNr.

Lecturers
  - Lecturer
    - LecturerNr.

Students
  - Student
    - MatrNr.

Rooms
  - Room
    - RoomNr.

Course Types
  - Course Type
    - TypeNr.
Exercise Score

Examination Score

Score

Examination Mark

Mark

Exercise Work

Title Source

Exercise Suggestion

Source
Building

Room Nr.

Room

Building Room Number
---TEACHING MANAGEMENT---

teachingmanagement
  courses          (1-1)
  students         (1-1)
  lecturers        (1-1)
  rooms            (1-1)
  coursetype       (1-1)
---------COURSES------------------

course (courseNr, id, 1-1)
   name (string, 1-1)
   type (idref, 1-1)
   topic (string, 1-1)
   begindate (date, 1-1)
   enddate (date, 1-1)
   semester (string, 1-1)
   preconditions (0-1)
   messages (0-1)
   literatures (0-1)
   teachingmaterials (0-1)
   appointments (1-1)
   participants (1-1)
   lecturers (idrefs, 1-1)
   groups (0-1)
   exercises (0-1)
   examinations (0-1)
preconditions
  precondition (1-*)

precondition
description (ref="dc:description", 1-1)

messages
  message (1-*)

message (messageNr, positivinteger, 1-1)
date (date, 1-1)
title (string, 1-1)
description (ref="dc:description", 1-1)
priority (positivinteger, 1-1)
duration (duration, 1-1)
literatures
    literature (1-*)

literature
    author (string, 1-1)
    title (string, 1-1)
    publisher (string, 1-1)
    publicationyear (year, 1-1)
    edition (string, 1-1)
    beginpage (positiveinteger, 0-1)
    endpage (positiveinteger, 0-1)
    url (url, 0-1)
teachingmaterials
  teachingmaterial (1-*)

teachingmaterial
  title (string, 1-1)
  source (1-*)

source
  title (string, 1-1)
  format (string, 1-1)
  url (url, 1-1)

appointments
  appointment (1-*)

appointment (appointmentNr, positiveInteger, 1-1)
  place (idref, 1-*)
  begintime (time, 1-1)
  endtime (time, 1-1)
  weekday (string, 1-1)
  beginweek ([1-53], 1-1)
participants
  participant (0-*)

participant (matriNr, idref, 1-1)
  groupmembership (positivinteger, 0-1)
  exercisescore (0-*)
  examinationpermit (boolean, 0-1)
  examinationscore (0-*)
  examinationmark (0-*)
  roomallocation (idref, 0-1)

exercisescore (exerciseNr, positivinteger, 1-1)
  score (nichtnegativinteger, 1-1)

examinationscore (examinationNr, positivinteger, 1-1)
  score (nichtnegativinteger, 1-1)

examinationmark (examinationNr, positivinteger, 1-1)
  mark ( ([1-4].(0|3|7)|5, 1-1)
exercises
  appointments (1-1)
  exercise (1-*)

exercise (exerciseNr, positivinteger, 1-1)
  subject (string, 1-1)
  exercisework (0-1)
  exercisesuggestion (0-1)
  Lösungsvorschlag

exercisework
  title (string, 1-1)
  source (1-*)

exercisesuggestion
  source (1-*)

examinations
  examination (1-*)

examination (examinationNr, positivinteger, 1-1)
  appointment (1-1)
  notice (string, 0-1)
students

student (0-*)

student (matrNr, id, 1-1)
  cipaccount ( [a-z]{5}, 1-1)
  password ( [a-zA-Z0-9]{5,10}, 1-1)
  lastname ( [a-zA-Z]{2,}, 1-1)
  firstname ( [a-zA-Z]{2,}, 1-1)
  emailaddress ( .+@.+.+, 1-1)
  sex (bool, 1-1)
  majorfield (string, 1-1)
  minorfield (string, 1-1)
  semester (positivinteger, 1-1)
  telephone (string, 0-1)
---LECTURERS---

lecturers

  lecturer (0-*)

lecturer (lecturerNr, id, 1-1)

  username (string, 1-1)
  password (string, 1-1)
  lastname (string, 1-1)
  firstname (string, 1-1)
  emailaddress (string, 1-1)
  sex (bool, 1-1)
  title (string, 1-1)
  consultation (string, 1-1)
  office (idref, 1-1)
  url (url, 0-1)
---ROOMS---------------------------------------------
rooms
  room (0-*)

room (roomNr, id, 1-1)
  building (string, 1-1)
  roomnumber (string, 1-1)

---COURSETYPE----------------------------------------
coursetypes
  coursetype (0-*)

coursetype (typeNr, id, 1-1)
  name ("Seminar","Vorlesung","Praktikum", ...)