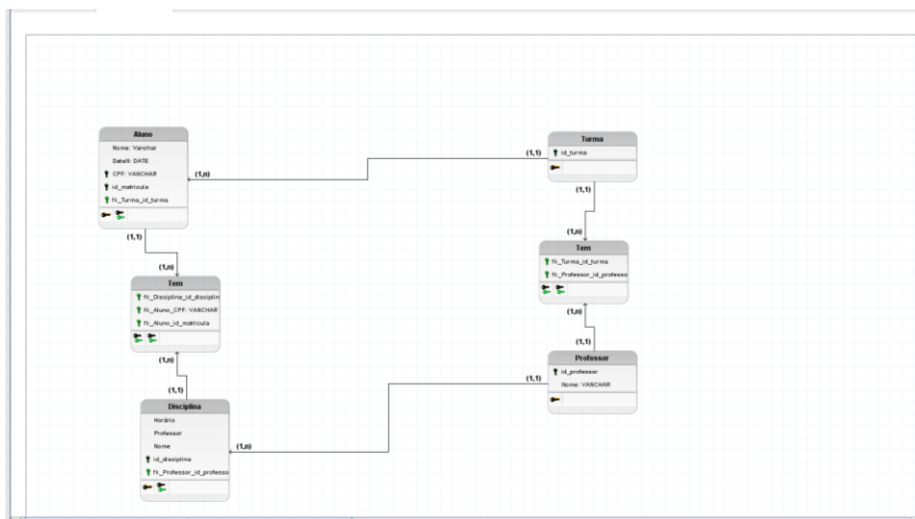Modelo conceitual

Modelo logico

```sql
/* Lógico_1: */

CREATE TABLE Aluno (
    Nome Vanchar,
    DataN DATE,
    CPF VANCHAR,
    id_matricula INTEGER,
    fk_Turma_id_turma INTEGER,
    PRIMARY KEY (CPF, id_matricula)
);

CREATE TABLE Turma (
    id_turma INTEGER PRIMARY KEY
);

CREATE TABLE Disciplina (
    Horário DECIMAL,
    Professor VANCHAR,
    Nome VANCHAR,
    id_disciplina INTEGER PRIMARY KEY,
    fk_Professor_id_professor INTEGER
);

CREATE TABLE Professor (
    id_professor INTEGER PRIMARY KEY,
    Nome VANCHAR
);
```

```sql
CREATE TABLE Tem (

   fk_Disciplina_id_disciplina INTEGER,

   fk_Aluno_CPF VANCHAR,

   fk_Aluno_id_matricula INTEGER

);


CREATE TABLE Tem (

   fk_Turma_id_turma INTEGER,

   fk_Professor_id_professor INTEGER

);


ALTER TABLE Aluno ADD CONSTRAINT FK_Aluno_2

   FOREIGN KEY (fk_Turma_id_turma)

   REFERENCES Turma (id_turma)

   ON DELETE RESTRICT;


ALTER TABLE Disciplina ADD CONSTRAINT FK_Disciplina_2

   FOREIGN KEY (fk_Professor_id_professor)

   REFERENCES Professor (id_professor)

   ON DELETE RESTRICT;


ALTER TABLE Tem ADD CONSTRAINT FK_Tem_1

   FOREIGN KEY (fk_Disciplina_id_disciplina)

   REFERENCES Disciplina (id_disciplina)

   ON DELETE RESTRICT;


ALTER TABLE Tem ADD CONSTRAINT FK_Tem_2

   FOREIGN KEY (fk_Aluno_CPF, fk_Aluno_id_matricula)
```

REFERENCES Aluno (CPF, id_matricula)

ON DELETE RESTRICT;

ALTER TABLE Tem ADD CONSTRAINT FK_Tem_1

FOREIGN KEY (fk_Turma_id_turma)

REFERENCES Turma (id_turma)

ON DELETE RESTRICT;

ALTER TABLE Tem ADD CONSTRAINT FK_Tem_2

FOREIGN KEY (fk_Professor_id_professor)

REFERENCES Professor (id_professor)

ON DELETE RESTRICT;

Modelo fisico