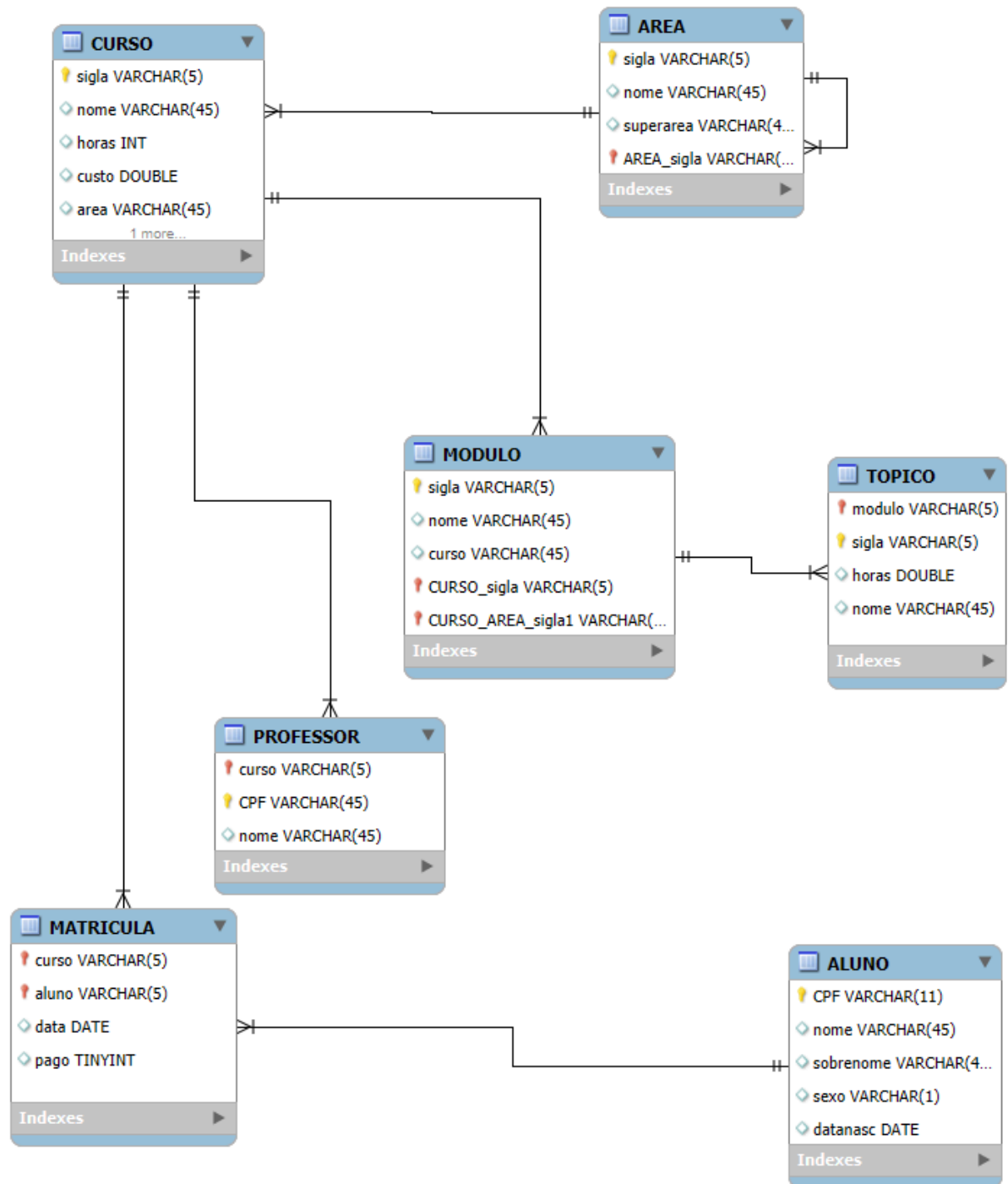


Hands-On 06: SQL (DDL)  
Disciplina: Banco de Dados  
Data: 15/03/2025  
Aluna: Alessandra Faria Rodrigues  
Matrícula: 828333

Diagrama SAM em notação pé de galinha



Scripts:

```
-- MySQL Script generated by MySQL Workbench
-- Sat Mar 15 17:02:36 2025
-- Model: New Model   Version: 1.0
-- MySQL Workbench Forward Engineering
```

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_
DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBST
ITUTION';
```

```
-- -----
-- Schema mydb
-- -----
```

```
-- -----
-- Table `ALUNO`
-- -----
```

```
DROP TABLE IF EXISTS `ALUNO` ;
```

```
CREATE TABLE IF NOT EXISTS `ALUNO` (
  `CPF` VARCHAR(11) NOT NULL,
  `nome` VARCHAR(45) NULL,
  `sobrenome` VARCHAR(45) NULL,
  `sexo` VARCHAR(1) NULL,
  `datanasc` DATE NULL,
  PRIMARY KEY (`CPF`))
ENGINE = InnoDB;
```

```
-- -----
-- Table `AREA`
-- -----
```

```
DROP TABLE IF EXISTS `AREA` ;
```

```
CREATE TABLE IF NOT EXISTS `AREA` (
  `sigla` VARCHAR(5) NOT NULL,
  `nome` VARCHAR(45) NULL,
  `superarea` VARCHAR(45) NULL,
  `AREA_sigla` VARCHAR(5) NOT NULL,
```

```
PRIMARY KEY (`sigla`, `AREA_sigla`),  
CONSTRAINT `fk_AREA_AREA1`  
FOREIGN KEY (`AREA_sigla`)  
REFERENCES `AREA` (`sigla`)  
ON DELETE NO ACTION  
ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_AREA_AREA1_idx` ON `AREA` (`AREA_sigla` ASC) VISIBLE;
```

```
-- -----  
-- Table `CURSO`  
-- -----
```

```
DROP TABLE IF EXISTS `CURSO` ;
```

```
CREATE TABLE IF NOT EXISTS `CURSO` (  
  `sigla` VARCHAR(5) NOT NULL,  
  `nome` VARCHAR(45) NULL,  
  `horas` INT NULL,  
  `custo` DOUBLE NULL,  
  `area` VARCHAR(45) NULL,  
  `AREA_sigla1` VARCHAR(5) NOT NULL,  
  PRIMARY KEY (`sigla`, `AREA_sigla1`),  
  CONSTRAINT `fk_CURSO_AREA1`  
  FOREIGN KEY (`AREA_sigla1`)  
  REFERENCES `AREA` (`sigla`)  
  ON DELETE NO ACTION  
  ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `fk_CURSO_AREA1_idx` ON `CURSO` (`AREA_sigla1` ASC)  
VISIBLE;
```

```
-- -----  
-- Table `MATRICULA`  
-- -----
```

```
DROP TABLE IF EXISTS `MATRICULA` ;
```

```
CREATE TABLE IF NOT EXISTS `MATRICULA` (  
  `curso` VARCHAR(5) NOT NULL,  
  `aluno` VARCHAR(5) NOT NULL,  
  `data` DATE NULL,
```

```

`pago` TINYINT NULL,
PRIMARY KEY (`curso`, `aluno`),
CONSTRAINT `curso`
  FOREIGN KEY (`curso`)
  REFERENCES `CURSO` (`sigla`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION,
CONSTRAINT `aluno`
  FOREIGN KEY (`aluno`)
  REFERENCES `ALUNO` (`CPF`)
  ON DELETE NO ACTION
  ON UPDATE NO ACTION)
ENGINE = InnoDB;

```

```

CREATE INDEX `aluno_idx` ON `MATRICULA` (`aluno` ASC) VISIBLE;

```

```

-- -----
-- Table `MODULO`
-- -----

```

```

DROP TABLE IF EXISTS `MODULO` ;

```

```

CREATE TABLE IF NOT EXISTS `MODULO` (
  `sigla` VARCHAR(5) NOT NULL,
  `nome` VARCHAR(45) NULL,
  `curso` VARCHAR(45) NULL,
  `CURSO_sigla` VARCHAR(5) NOT NULL,
  `CURSO_AREA_sigla1` VARCHAR(5) NOT NULL,
  PRIMARY KEY (`sigla`, `CURSO_sigla`, `CURSO_AREA_sigla1`),
  CONSTRAINT `fk_MODULO_CURSO1`
    FOREIGN KEY (`CURSO_sigla`, `CURSO_AREA_sigla1`)
    REFERENCES `CURSO` (`sigla`, `AREA_sigla1`)
    ON DELETE NO ACTION
    ON UPDATE NO ACTION)
ENGINE = InnoDB;

```

```

CREATE INDEX `fk_MODULO_CURSO1_idx` ON `MODULO` (`CURSO_sigla` ASC,
`CURSO_AREA_sigla1` ASC) VISIBLE;

```

```

-- -----
-- Table `PROFESSOR`
-- -----

```

```

DROP TABLE IF EXISTS `PROFESSOR` ;

```

```
CREATE TABLE IF NOT EXISTS `PROFESSOR` (  
  `curso` VARCHAR(5) NOT NULL,  
  `CPF` VARCHAR(45) NOT NULL,  
  `nome` VARCHAR(45) NULL,  
  PRIMARY KEY (`curso`, `CPF`),  
  CONSTRAINT `curso`  
    FOREIGN KEY (`curso`)  
    REFERENCES `CURSO` (`sigla`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `TOPICO`  
-- -----
```

```
DROP TABLE IF EXISTS `TOPICO` ;
```

```
CREATE TABLE IF NOT EXISTS `TOPICO` (  
  `modulo` VARCHAR(5) NOT NULL,  
  `sigla` VARCHAR(5) NOT NULL,  
  `horas` DOUBLE NULL,  
  `nome` VARCHAR(45) NULL,  
  PRIMARY KEY (`sigla`, `modulo`),  
  CONSTRAINT `modulo`  
    FOREIGN KEY (`modulo`)  
    REFERENCES `MODULO` (`sigla`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
CREATE INDEX `modulo_idx` ON `TOPICO` (`modulo` ASC) VISIBLE;
```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```