



global_model_correction

Table ACADEMIC_STAFF			
Idx	Name	Data Type	Description
Course teaching persons			
*	ACADEMIC_STAFF_ID	BIGINT	An identifying number for the teacher.
*	FIRST_NAME	VARCHAR(50)	Name of the teacher. E.g. "Jürgen Nonnast"
*	LAST_NAME	VARCHAR(50)	Name of the teacher. E.g. "Jürgen Nonnast"
	ACADEMIC_STAFF_COMMENT	VARCHAR(255)	Optional instructor comments.
*	FACULTY_SHORT_NAME	CHAR(3)	faculty to which the academic staff member belongs
*	IS_PROF	BOOLEAN	indicates whether the academic staff member is a professor
Indexes			
Type	Name	On	Description
Unq	UNQ_TEACHER_ID	ACADEMIC_STAFF_ID	Teaching Id has to be UNQ
PK	PK_ACADEMIC_STAFF	ACADEMIC_STAFF_ID	
Foreign Keys			
Type	Name	On	Description
	FK_ACADEMIC_STAFF_FACULTY	(FACULTY_SHORT_NAME) ref FACULTY (FACULTY_SHORT_NAME)	

Table ACADEMIC_STAFF_WORKLOAD			
Idx	Name	Data Type	Description
*	ACADEMIC_STAFF_ID	BIGINT	reference to the academic staff member receiving a workload reduction
*	SEMESTER_NR	VARCHAR(8)	semester in which the workload reduction applies
*	ACADEMIC_STAFF_REDUCTION	DECIMAL(5,2)	amount of workload reduction granted
*	ACADEMIC_STAFF_ROLE	CHAR(10)	role or responsibility causing the workload reduction
Indexes			
Type	Name	On	Description
PK	PK_ACADEMIC_STAFF_WORKLOAD	SEMESTER_NR, ACADEMIC_STAFF_ID	
Foreign Keys			
Type	Name	On	Description
	FK_ACADEMIC_STAFF	(ACADEMIC_STAFF_ID) ref ACADEMIC_STAFF (ACADEMIC_STAFF_ID)	
Constraints			
Name	Definition	Description	
CNS_ACADEMIC_STAFF_REDUCTION	ACADEMIC_STAFF_REDUCTION >= 0		

Table COURSE			
Idx	Name	Data Type	Description
A class taught by a specific lecturer during a given semester, for instance, WS24/25.			
*	DEGREE_SHORT_NAME	CHAR(3)	A unique alphanumeric code identifying the specific degree program (e.g., 'SWB').
	COURSE_COMMENT	VARCHAR(255)	Optional remark about the course.
*	SUBJECT_NR	VARCHAR(20)	The number of the subject e.g 1051003
Indexes			
Type	Name	On	Description
PK	PK_COURSE	DEGREE_SHORT_NAME, SUBJECT_NR	

Table COURSE

Unq UNQ SUBJECT_NR SUBJECT_NR

Foreign Keys

Type	Name	On	Description
	FK_DEGREE_PROGRAM	(DEGREE_SHORT_NAME) ref DEGREE_PROGRAM (DEGREE_SHORT_NAME)	
	FK_COURSE SUBJECT	(SUBJECT_NR) ref SUBJECT (SUBJECT_NR)	

Table COURSE_ASSIGNMENT

Idx	Name	Data Type	Description
* Pk	COURSE_ASSIGNMENT_TERM	VARCHAR(10)	The designated start semester for the course offering (e.g., 'WS24/25')
* Pk	ACADEMIC_STAFF_ID	BIGINT	An identifying number for the teacher.
*	TEACHING_HOURS	BIGINT	number of teaching hours assigned for this course
* Pk	SUBJECT_NR	VARCHAR(20)	The number of the subject e.g 1051003
* Pk	DEGREE_SHORT_NAME	CHAR(3)	A unique alphanumeric code identifying the specific degree program (e.g., 'SWB').

Indexes

Type	Name	On	Description
PK	PK	COURSE_ASSIGNMENT_TERM, ACADEMIC_STAFF_ID, SUBJECT_NR, DEGREE_SHORT_NAME	

Foreign Keys

Type	Name	On	Description
	FK_ACADEMIC_STAFF	(ACADEMIC_STAFF_ID) ref ACADEMIC_STAFF (ACADEMIC_STAFF_ID)	
	FK_COURSE_ASSIGNMENT_COURSE	(SUBJECT_NR, DEGREE_SHORT_NAME) ref COURSE (SUBJECT_NR, DEGREE_SHORT_NAME)	

Constraints

Name	Definition	Description
CNS_TEACHING_HOURS	TEACHING_HOURS >= 0	
CNS_COURSE_ASSIGNMENT_TERM	(COURSE_ASSIGNMENT_TERM LIKE 'WS%' OR COURSE_ASSIGNMENT_TERM LIKE 'SS%')	

Table DEGREE_PROGRAM

Idx	Name	Data Type	Description
* Pk	DEGREE_SHORT_NAME	CHAR(3)	unique short identifier of the degree program
*	DEGREE_NAME	VARCHAR(30)	full name of the degree program
*	FACULTY_SHORT_NAME	CHAR(4)	faculty offering the degree program

Indexes

Type	Name	On	Description
Unq	UNQ_DEGREE_SHORT_NAME	DEGREE_SHORT_NAME	
PK	PK_DEGREE_PROGRAM	DEGREE_SHORT_NAME	

Foreign Keys

Type	Name	On	Description
	FK_DEGREE_PROGRAM_FACULTY	(FACULTY_SHORT_NAME) ref FACULTY (FACULTY_SHORT_NAME)	

Table FACULTY

Idx	Name	Data Type	Description
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Table FACULTY

* Pk	FACULTY_SHORT_NAME	CHAR(4)	Short, unique identifier of the faculty.
*	FACULTY_NAME	VARCHAR(30)	Full descriptive name of the faculty.

Indexes

Type	Name	On	Description
PK	PK_FACULTY	FACULTY_SHORT_NAME	

Table LECTURER

Idx	Name	Data Type	Description
A non-permanent teaching staff member, standardized in this document under the designation 'lecturer'.			
* Pk	ACADEMIC_STAFF_ID	BIGINT	The unique identifier for the instructor, serving as a foreign key referencing the Teacher table.
Unq	SUPERVISOR	BIGINT	Is used to assign a directly supervising professor to a specific lecturer

Indexes

Type	Name	On	Description
PK	PK_LECTURER	ACADEMIC_STAFF_ID	This attribute acts as the primary key while maintaining a foreign key reference to the parent Teacher table
Unq	UNQ_SUPERVISOR_PROFESSOR	SUPERVISOR	

Foreign Keys

Type	Name	On	Description
FK_ACADEMIC_STAFF (ACADEMIC_STAFF_ID) ref ACADEMIC_STAFF (ACADEMIC_STAFF_ID)			

Table SUBJECT

Idx	Name	Data Type	Description
* Pk	SUBJECT_NR	VARCHAR(20)	The number of the subject e.g 1051003
*	SUBJECT_SEMESTER_LVL	BIGINT	The name of a subject. E.g. "Information Systems"
*	DEGREE_SHORT_NAME	CHAR(3)	Degree program the subject is primarily associated with
*	SUBJECT_NAME	VARCHAR(30)	Official name of the subject
*	SUBJECT_ELECTIVE	CHAR(1)	Indicates whether the subject is mandatory, elective, or optional ('P', 'W', 'Z')
*	SUBJECT_CURRICULUM	BIGINT	Curriculum workload value assigned to the subject
*	SUBJECT_SCHEDULE	BIGINT	scheduled workload value for the subject
	SUBJECT_COMMENT	VARCHAR(255)	optional additional notes or remarks about the subject

Indexes

Type	Name	On	Description
PK	SUBJECT_NR	SUBJECT_NR	

Constraints

Name	Definition	Description
CNS SUBJECT ELECTIVE	SUBJECT_ELECTIVE IN ('P', 'W', 'Z')	
CNS SUBJECT CURRICULUM AND SCH EDULE	SUBJECT_CURRICULUM >= 0 AND SUBJECT_SCHEDULE >= 0	