

Index	Rule
1	$\forall x, y @UTDB:dbfaculty(x) \wedge String(y) \wedge @UTDB:personName(x, y) \rightarrow @UTCS:academicStaff(x) \wedge @UTCS:name(x, y)$
2	$\forall x, y @UTDB:dbfaculty(x) \wedge String(y) \wedge @UTDB:email(x, y) \rightarrow @UTCS:academicStaff(x) \wedge @UTCS:email(x, y)$
3	$\forall x, y @UTDB:dbfaculty(x) \wedge String(y) \wedge @UTDB:personTitle(x, y) \rightarrow @UTCS:academicStaff(x) \wedge @UTCS:position(x, y)$
4	$\forall x, y @UTDB:dbmsstudent(x) \wedge String(y) \wedge @UTDB:personName(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:name(x, y)$
5	$\forall x, y @UTDB:dbmsstudent(x) \wedge String(y) \wedge @UTDB:email(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:email(x, y)$
6	$\forall x, y @UTDB:dbmsstudent(x) \wedge String(y) \wedge @UTDB:personTitle(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:position(x, y)$
7	$\forall x, y @UTDB:dbmsstudent(x) \wedge @UTDB:dbfaculty(y) \wedge @UTDB:advisor(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:academicStaff(y) \wedge @UTCS:supervisor(x, y)$
8	$\forall x, y @UTDB:dbpdhstudent(x) \wedge String(y) \wedge @UTDB:personName(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:name(x, y)$
9	$\forall x, y @UTDB:dbpdhstudent(x) \wedge String(y) \wedge @UTDB:email(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:email(x, y)$
10	$\forall x, y @UTDB:dbpdhstudent(x) \wedge String(y) \wedge @UTDB:personTitle(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:position(x, y)$
11	$\forall x, y @UTDB:dbpdhstudent(x) \wedge @UTDB:dbfaculty(y) \wedge @UTDB:advisor(x, y) \rightarrow @UTCS:student(x) \wedge @UTCS:academicStaff(y) \wedge @UTCS:supervisor(x, y)$
12	$\forall x, y @UTDB:dbfaculty(x) \wedge String(y) \wedge @UTDB:researchINterests(x, y) \rightarrow \exists z @UTCS:academicStaff(x) \wedge @UTCS:areasOfInterest(z) \wedge @UTCS:name(z, x) \wedge @UTCS:area(z, y)$
13	$\forall x, y @UTDB:dbpdhstudent(x) \wedge String(y) \wedge @UTDB:researchINterests(x, y) \rightarrow \exists z @UTCS:academicStaff(x) \wedge @UTCS:areasOfInterest(z) \wedge @UTCS:name(z, x) \wedge @UTCS:area(z, y)$
14	$\forall x, y @UTDB:dbmsstudent(x) \wedge String(y) \wedge @UTDB:researchINterests(x, y) \rightarrow \exists z @UTCS:academicStaff(x) \wedge @UTCS:areasOfInterest(z) \wedge @UTCS:name(z, x) \wedge @UTCS:area(z, y)$
15	$\forall x, y @UTDB:course(x) \wedge String(y) \wedge @UTDB:number(x, y) \rightarrow @UTCS:course(x) \wedge @UTCS:CourseNumber(x, y)$
16	$\forall x, y @UTDB:course(x) \wedge String(y) \wedge @UTDB:title(x, y) \rightarrow @UTCS:course(x) \wedge @UTCS:CourseTitle(x, y)$
17	$\forall x, y @UTDB:course(x) \wedge String(y) \wedge @UTDB:description(x, y) \rightarrow @UTCS:course(x) \wedge @UTCS:description(x, y)$

Table 1: Mappings From UTDB To UTCS Databases: Part 1

Index	Rule
18	$\forall x, y \ @UTDB:course(x) \wedge String(y) \wedge$ $@UTDB:prerequisite(x, y) \rightarrow @UTCS:course(x) \wedge$ $@UTCS:prerequisite(x, y)$
19	$\forall x, y \ @UTDB:course(x) \wedge @UTDB:faculty(y) \wedge$ $@UTDB:instructor(x, y) \rightarrow @UTCS:course(x)$ $\wedge @UTCS:academicStaff(y) \wedge @UTCS:instructor(x, y)$

Table 2: Mappings From UTDB To UTCS Databases: Part 2

Index	Rule
1	$\forall x, y @UTCS:academicStaff(x) \wedge String(y) \wedge @UTCS:name(x, y) \rightarrow @UTDB:dbfaculty(x) \wedge @UTDB:personName(x, y)$
2	$\forall x, y @UTCS:academicStaff(x) \wedge String(y) \wedge @UTCS:email(x, y) \rightarrow @UTDB:dbfaculty(x) \wedge @UTDB:email(x, y)$
3	$\forall x, y @UTCS:academicStaff(x) \wedge String(y) \wedge @UTCS:position(x, y) \rightarrow @UTDB:dbfaculty(x) \wedge @UTDB:personTitle(x, y)$
4	$\forall x, y @UTCS:student(x) \wedge String(y) \wedge @UTCS:name(x, y) \rightarrow (@UTDB:dbmsstudent(x) \vee @UTDB:dbphdstudent(x)) \wedge @UTDB:personName(x, y)$
5	$\forall x, y @UTCS:student(x) \wedge String(y) \wedge @UTCS:email(x, y) \rightarrow (@UTDB:dbmsstudent(x) \vee @UTDB:dbphdstudent(x)) \wedge @UTDB:email(x, y)$
6	$\forall x, y @UTCS:student(x) \wedge String(y) \wedge @UTCS:position(x, y) \rightarrow (@UTDB:dbmsstudent(x) \vee @UTDB:dbphdstudent(x)) \wedge @UTDB:personTitle(x, y)$
7	$\forall x, y @UTCS:student(x) \wedge @UTCS:academicStaff(y) \wedge @UTCS:supervisor(x, y) \rightarrow (@UTDB:dbmsstudent(x) \vee @UTDB:dbphdstudent(x)) \wedge @UTDB:dbfaculty(y) \wedge @UTDB:advisor(x, y)$
8	$\forall x, y @UTCS:academicStaff(x) \wedge @UTCS:areasOfInterest(y) \wedge String(z) \wedge @UTCS:name(y, x) \wedge @UTCS:name(y, z) \rightarrow @UTDB:dbfaculty(x) \wedge @UTDB:researchINterests(x, y)$
9	$\forall x, y @UTCS:student(x) \wedge @UTCS:areasOfInterest(y) \wedge String(z) \wedge @UTCS:name(y, x) \wedge @UTCS:name(y, z) \rightarrow (@UTDB:dbmsstudent(x) \vee @UTDB:dbphdstudent(x)) \wedge @UTDB:researchINterests(x, y)$
10	$\forall x, y @UTCS:course(x) \wedge String(y) \wedge @UTCS:CourseNumber(x, y) \rightarrow @UTDB:course(x) \wedge @UTDB:number(x, y)$
11	$\forall x, y @UTCS:course(x) \wedge String(y) \wedge @UTCS:CourseTitle(x, y) \rightarrow @UTDB:course(x) \wedge @UTDB:title(x, y)$
12	$\forall x, y @UTCS:course(x) \wedge String(y) \wedge @UTCS:description(x, y) \rightarrow @UTDB:course(x) \wedge @UTDB:description(x, y)$
13	$\forall x, y @UTCS:course(x) \wedge String(y) \wedge @UTCS:prerequisite(x, y) \rightarrow @UTDB:course(x) \wedge @UTDB:prerequisite(x, y)$
14	$\forall x, y @UTCS:course(x) \wedge @UTCS:academicStaff(y) \wedge @UTCS:instructor(x, y) \rightarrow @UTDB:course(x) \wedge @UTCS:faculty(y) \wedge @UTDB:instructor(x, y)$

Table 3: Mappings From UTCS To UTDB Databases