

Course – Database Documentation

Entity

Course

The Course entity represents an individual academic class offered by an educational institution. It supports the organization, management, and delivery of academic instruction and is foundational to curriculum management, enrollment, degree planning, and academic reporting.

Related Entities

The Course entity is related to the following business entities:

- **Program**
Programs consist of structured sequences of courses leading to degrees or certifications.
 - **Section**
Represents a specific scheduled offering of a course including instructor, location, and meeting time.
 - **Degree Plan**
Defines required and elective courses needed for degree completion.
 - **Student Account**
Tracks tuition and fees associated with course enrollment.
 - **Student Goal**
Represents academic objectives related to course completion and degree progress.
 - **Project**
May be used to track costs associated with course development or delivery.
 - **Student**
Individuals enrolled in courses to earn academic credit.
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Key Tables

CATALOG_MASTER

Table Description

The CATALOG_MASTER table serves as the primary repository for all course definitions. It stores course identifiers, academic classifications, credit structures, scheduling rules, and enrollment constraints.

Key Columns

Course Identification

- **ORG_CDE**
Organization offering the course.

Values:

- *LOCAL – Course is offered by the institution
- **CRS_CDE**
Unique course identifier.
- **CRS_TITLE**
Official course title.
- **CRS_TITLE_2**
Alternate course title.
- **SHORT_CRIS_TITLE_1**
Abbreviated course title.
- **SHORT_CRIS_TITLE_2**
Secondary abbreviated course title.
- **CATALOG_TEXT**
Official course description.

Academic Classification

- **DIV_CDE**
Academic division responsible for the course (join to DIVISION_DEF).

- **INSTIT_DIV_CDE**
Institutional division (join to INSTIT_DIVISN_DEF).
 - **PROG_CATEGORY**
Program category classification.
 - **SCHOOL_CDE**
School or academic unit code.
 - **IPEDS_CIP_CDE**
CIP classification code for federal reporting.
 - **CIP_EXT**
Extended CIP classification.
 - **PESC_COURSE_CREDIT_BASIS_CDE**
Credit basis classification.
 - **PESC_COURSE_LEVEL_CDE**
Academic level classification.
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Course Requirements

- **ADV_REQ_CDE**
Advising requirement code linking to degree planning.
 - **PREREQ_CDE**
Prerequisite requirement reference.
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Course Status

- **ACTIVE_INACTIVE_ST**
Indicates whether the course is active.

Values:

- **A** – Active
- **I** – Inactive
- **DTE_APPROVED**
Course approval date.

- **INACT_DISCONT_DTE**
Course inactivation or discontinuation date.
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Enrollment Controls

- **MAX_ENROLL_DFLT**
Default maximum enrollment.
- **MIN_ENROLL_DFL**
Minimum enrollment required.
- **TIMES_MAY_BE_TAKEN**
Maximum allowed course attempts.
- **TIMES_MAY_BE_TAKEN_LAB**
Maximum allowed lab attempts.
- **LAST_WITHDRAWAL_VALUE**
Withdrawal deadline value.
- **MAX_REGISTRATION_DAYS**
Latest registration timing.
- **CRS_CAPACITY_DFLT**
Default enrollment capacity.
- **CRS_REPEATABLE**
Indicates whether the course may be repeated.

Values:

- Y – Yes
 - N – No
 - **PUBLIC_REGISTRATION**
Indicates whether public registration is allowed.
 - **CRS_AUTHORIZATION_REQ**
Indicates whether special authorization is required.
 - **MUST_PAY**
Indicates whether payment is required before enrollment.
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Credit Structure

- **DFLT_CREDIT_HRS**
Default credit hours.
- **MIN_CREDIT_HRS**
Minimum credit hours.
- **MAX_CREDIT_HRS**
Maximum credit hours.
- **FIXED_VAR_CREDIT**
Credit type.

Values:

- **F** – Fixed credit
 - **V** – Variable credit
 - **HRS_TOWARD_DEGRE**
Hours applicable toward degree completion.
 - **HRS_TOWARD_DEGRE_LAB**
Lab hours applicable toward degree completion.
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Clock Hours

- **CRS_CLOCK_HRS**
Total clock hours.
- **FIXED_VAR_CLOCK**
Clock hour type.

Values:

- **F** – Fixed
- **V** – Variable
- **LECTURE_CLOCK_HRS**
Lecture clock hours.
- **LAB_CLOCK_HRS**
Lab clock hours.

- **MIN_CLOCK_HRS**
Minimum clock hours.
 - **MAX_CLOCK_HRS**
Maximum clock hours.
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Instructional Hours

- **LECTURE_HRS**
Total lecture hours.
 - **LAB_HRS**
Total lab hours.
 - **LECTURE_LAB_HRS**
Combined lecture and lab hours.
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Grading

- **GRADE_SCALE_CDE**
Grading scale.

Values:

- **PS** – Pass/Fail
- **GS** – Graded scale
- **GRADING_METHOD**
Grade calculation method.

Values:

- **N** – None
 - **U** – Roll up
 - **D** – Roll down
 - **VARIABLE_GRADE_TYPE**
Indicates multiple grading options allowed.
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Course Attributes

- **HONORS_DESIGNATION**
Honors course indicator.
 - **DEVELOPMENTAL_CRS**
Developmental course indicator.
 - **INTER_INSTITUTIONAL**
Indicates cross-institution course.
 - **DUAL_ENROLLMENT_ALLOWED**
Indicates dual enrollment eligibility.
 - **STATE_FUNDED**
Indicates state funding eligibility.
 - **SELF_PACED**
Indicates self-paced course.
 - **DISTANCE_EDUCATION**
Indicates distance learning delivery.
 - **ESOL_COURSE**
Indicates ESOL designation.
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Administrative Controls

- **IN_DISTRICT**
Indicates in-district classification.
- **EXCLUDE_FROM_DROP_LIMIT**
Drop limit exclusion flag.
- **EXCLUDE_FROM_REPEAT_LIMIT**
Repeat limit exclusion flag.
- **ATTENDANCE_CENSUS_DATE_EXCLUDED**
Census reporting exclusion.
- **ATTENDANCE_CHECKPOINT_EXCLUDED**
Attendance checkpoint exclusion.

- **ALLOW_OPEN_ENTRY**
Open entry allowed.
- **ALLOW_OPEN_EXIT**
Open exit allowed.
- **CENSUS_METHOD**
Census calculation method.

Values:

- **D** – Date
- **N** – Number of days
- **P** – Percentage
- **MAX_DAY_DURATION**
Maximum course duration in days.

Other Important Columns

- **APPID**
Unique course record identifier.
- **GOID**
Global identifier.

Columns No Longer In Use

- UDEF_1A_1 through UDEF_1A_5
- UDEF_2A_1 through UDEF_2A_3
- UDEF_3A_1 through UDEF_3A_3
- UDEF_5A_1 through UDEF_5A_3
- UDEF_DTE_1
- UDEF_DTE_2
- UDEF_TXT
- UDEF_3_2_1 through UDEF_3_2_2

- UDEF_5_2_1 through UDEF_5_2_4
 - UDEF_7_2_1 through UDEF_7_2_4
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Relationships to Other Tables

- **ADVISING_REQ_CODES**
Joined using ADV_REQ_CDE to associate courses with degree requirements.
 - **ORG_MASTER**
Joined using ORG_CDE to identify the offering institution.
 - **CATALOG_MASTER_STATE_RPT**
Joined using CRS_CDE and ORG_CDE to obtain state reporting attributes.
 - **CatalogMasterGradePeriod**
Joined using APPID to associate grading periods and grading scales.
 - **CATALOG_MASTER_OLR**
Joined using CRS_CDE and ORG_CDE to identify online learning resources.
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CATALOG_MASTER_STATE_RPT

Table Description

The CATALOG_MASTER_STATE_RPT table stores course attributes required for state reporting and compliance purposes.

Key Columns

- **ORG_CDE**
Organization offering the course.
- **CRS_CDE**
Course identifier.
- **CRS_ARTICULATION_DEPT_1**
Transfer articulation department.
- **CRS_ARTICULATION_NUM_1**
Transfer articulation course number.

- **CRS_LEVEL**
Course academic level.
- **CRS_ELIGIBLE_SUBSIDY**
Indicates eligibility for state funding.

Values:

- Y – Yes
- N – No

Relationships to Other Tables

- **CATALOG_MASTER**
Joined using CRS_CDE and ORG_CDE.

CatalogMasterGradePeriod

Table Description

The CatalogMasterGradePeriod table associates courses with grading periods, grading scales, and credit types.

Key Columns

- **CatalogMasterAppID**
Foreign key to CATALOG_MASTER.
- **GradePeriodDefAppID**
Foreign key to grading period definitions.
- **GradeScaleDefAppID**
Foreign key to grading scale definitions.
- **CreditTypeDefAppID**
Foreign key to credit type definitions.

Relationships to Other Tables

- **CATALOG_MASTER**
Provides the course definition.
- **GradePeriodDef**
Defines grading periods.

- **GradeScaleDef**
Defines grading scales.
 - **CreditTypeDef**
Defines credit classifications.
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CATALOG_MASTER_OLR

Table Description

The CATALOG_MASTER_OLR table stores online learning resource associations for courses.

Key Columns

- **ORG_CDE**
Organization offering the course.
- **CRS_CDE**
Course identifier.
- **CATALOG_CDE**
Online learning resource catalog identifier.

Relationships to Other Tables

- **CATALOG_MASTER**
Joined using CRS_CDE and ORG_CDE.
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Columns No Longer In Use

No additional unused columns were identified outside of those listed for CATALOG_MASTER.

This document follows database documentation best practices and can be copied directly into Microsoft Word with formatting preserved.