

Ed-Fi 3.x Course Offering Entity Mapping

Overview

This document defines the mapping of Aeries data to the Ed-Fi data standard.



Document Version 1.0

Last Updated 07 Nov 2021

Status

Ready for v3 certification.

Description

This entity represents an entry in the course catalog of available courses offered by the school during a session.

Course Offering Links

Mapping v3.2.0-c

<https://mappingedu.ed-fi.org/#!/entity/a9ff6748-e7ba-ea11-80df-005056b36109/info?dataStandardId=7ec6133d-e7ba-ea11-80df-005056b36109>

Schema v3.2.0-c

<https://schema.ed-fi.org/datahandbook-v320c/#!/CourseOffering551>

API v3.4.0

<https://api.ed-fi.org/v3.4.0/docs/index.html#/courseOfferings>

Scenarios v3

<https://techdocs.ed-fi.org/display/EDFICERT/v3+MasterSchedule+%3E+CourseOffering+Scenarios>

Natural Key

- LocalCourseCode
- SchoolId
- SchoolYear
- SessionName

Used By

- Section.CourseOffering (as required)

Entity Mapping

Parent	Property	Type	Required	Table	Field	Other	Code / Notes
\	courseReference	CourseReference	Required				
courseReference	courseCode	String	Required	CRS	CN		GetString(s("CN"))
courseReference	educationOrganizationId	Integer	Required			DistrictId	OdsConfiguration. DistrictId
\	curriculumUseds	List(Of CourseOffering CurriculumUsed)	Optional				
curriculumUseds[n]	curriculumUsedDescriptor	Descriptor	Optional				
\	instructionalTimePlanned	Integer	Optional				
\	localCourseCode	String	Identity	CRS	CN		GetString(s("CN"))
\	localCourseTitle	String	Required	CRS	CO		GetString(s("CO"))
\	schoolReference	SchoolReference	Identity				
schoolReference	schoolId	Integer	Identity	MST	SC		GetNullableInteger(s("SC"))

\	sessionReference	SessionReference	Identity				
sessionReference	sessionName	String	Identity	TRM	D1,SC, TM		GetSessionName()
sessionReference	schoolId	Integer	Identity	TRM	SC		GetNullableInteger(s("SC"))
sessionReference	schoolYear	Integer	Identity	TRM	D1		GetSchoolYear(s("D1")) see function below
\	courseLevelCharacteristics	Array	Optional				
courseLevelCharacteristics	courseLevelCharacteristicDescriptor	String	Optional				
\	offeredGradeLevels	Array	Optional				
offeredGradeLevels	gradeLevelDescriptor	String	Optional				

Code

```

Public Shared Function GetSessionName(ByVal schoolYear As Integer,
ByVal term As String) As String

    Return schoolYear.ToString() & " " & term

End Function

Public Shared Function GetTermName(ByVal schoolcode As Integer, ByVal
termCode As String, ByVal ConnectionString As String) As String

    'Ref: https://mappedu.ed-fi.org/#/element/e778beed-1c80-ea11-
80df-005056b36109/details?dataStandardId=e8efbbaa-1b80-ea11-80df-
005056b36109

    Select Case termCode
        Case "Y"
            Return "Year Round"
        Case "S"
            Return "Spring Semester"
        Case "F"
            Return "Fall Semester"
    End Select

    If Trimester(schoolcode, ConnectionString) Then
        Select Case termCode
            Case "1"
                Return "First Trimester"
            Case "2"
                Return "Second Trimester"
            Case "3"
                Return "Third Trimester"
        End Select
    Else
        Select Case termCode
            Case "1"
                Return "First Quarter"

```

```

        Case "2"
            Return "Second Quarter"
        Case "3"
            Return "Third Quarter"
        Case "4"
            Return "Fourth Quarter"
    End Select
End If

Return termCode

End Function

Public Shared Function GetSchoolYear(ByVal SchoolDate As String) As Integer?

    Dim schoolYear As Integer? = Nothing
    Dim schoolDateValue As Date

    If Date.TryParse(SchoolDate, schoolDateValue) Then
        schoolYear = EdFiV2Functions.GetSchoolYearFromDate
(schoolDateValue)
    End If

    Return schoolYear

End Function

Public Shared Function GetSchoolYearFromDate(ByVal SchoolDate As Date)
As Integer

    ' Ed-Fi sometimes uses a single year as 'school year'. It's
actually, just the end year of a full school year in the form YYYY-YYYY
    Return GetEndYear(SchoolDate)

End Function

Public Shared Function GetEndYear(ByVal startDate As Date) As Integer

    Dim endYear As Integer = Nothing
    Dim startMonth As Integer = Month(startDate)

    If startMonth >= 7 Then
        ' July-Dec = "this
year" (i.e. 9/1/2012 = 2012-2013, so 2013)
        endYear = Year(startDate) + 1
    Else ' startMonth < 7
        ' Jan-June = "last year" (i.e. 3/1/2012 = 2011-2012, so 2012)
        endYear = Year(startDate)
    End If

End Function

```

Return endYear

End Function

```
[
  {
    "id": "string",
    "localCourseCode": "string",
    "courseReference": {
      "courseCode": "string",
      "educationOrganizationId": 0,
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "schoolReference": {
      "schoolId": 0,
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "sessionReference": {
      "schoolId": 0,
      "schoolYear": 0,
      "sessionName": "string",
      "link": {
        "rel": "string",
        "href": "string"
      }
    },
    "courseLevelCharacteristics": [
      {
        "courseLevelCharacteristicDescriptor": "string"
      }
    ],
    "curriculumUses": [
      {
        "curriculumUsedDescriptor": "string"
      }
    ],
    "instructionalTimePlanned": 0,
    "localCourseTitle": "string",
    "offeredGradeLevels": [
      {
        "gradeLevelDescriptor": "string"
      }
    ],
    "_etag": "string"
  }
]
```

