# Next Generation Integration Scorecard
## Course Plan Functional Area

The Course Plan functional area maps syllabi defined in a Syllabus to scheduled Activities to manage the logistics of following a lesson plan during an offering of a course.

## *Plan*

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| A Plan relates a Syllabus to a CourseOffering to form a lesson plan. All or a selected set of Modules within a Syllabus may be included in the Plan |
| Also known as: *LessonPlan* |

❑ Read Operations for *Plans:*　　　　　　　　　　　　　　　　　　　　　　　　*Score*

| | |
|---|---|
| ❑　Get Plans given unique Ids | |
| ❑　Get all the Plans in a system or Catalog | |
| ❑　Get Plans for Syllabi | |
| ❑　Get Plans for CourseOfferings | |
| ❑　Query (Search) Plans based on attribute-based query terms or keywords | |
| ❑　Register for notifications that Plans have been created, updated or deleted | |

❑ Read Operations for *Plans:*

| | |
|---|---|
| ❑　Create Plan for Syllabus and CourseOffering | |
| ❑　Update and Delete Plans | |
| ❑　Add an alias Id to reference an existing GradebookColumn | |
| ❑　Organize Plans into catalogs | |

Minimally Supported Attributes of *Plans:*

| |
|---|
| ●　A unique and permanent identifier |
| ●　The name of the Plan |

| |
|---|
| ● A description of the Plan |
| ● The type of the Plan |
| ● The Syllabus associated with the Plan |
| ● The CourseOffering associated with the Plan |
| ● The Modules to apply to this Plan |
| ● Effective date range of this Plan |
| ● The reason this Plan ended, if applicable |

## *Lesson*

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| A Lesson maps a Plan to a Docet in a Syllabus. A Lesson has a time duration covering one or more Activities and may be checked off or skipped during the execution of the course. Systems may also provide a way of "anchoring" Lessons with a Plan. Lessons correspond to their corresponding Docets laid out along the related Activities. The LessonAnchor ties a Lesson to a specific Activity or at a specific time offset within the specific Activity. |
| Also known as: |

❏ Read Operations for *Lessons:*                                                          *Score*

| | |
|---|---|
| ❏ Get Lessons given unique Ids | |
| ❏ Get all the Lessons in a system or Catalog | |
| ❏ Get Lessons for Plans | |
| ❏ Get Lessons for Docets | |
| ❏ Query (Search) Lessons based on attribute-based query terms or keywords | |
| ❏ Register for notifications that Lessona have been created, updated or deleted | |

❏ Write Operations for *Lessons:*

| | |
|---|---|
| ❏ Create Lesson for Plan and Docet | |
| ❏ Update and Delete Lessons | |
| ❏ Add an alias Id to reference an existing Lesson | |
| ❏ Organize Lessons into catalogs | |

❑ Operations for dealing with Lesson Conflicts*:*

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|---|---|
| ❏ Get all Lessons for a Plan | |
| ❏ Get a list of overlapping Lessons for a Plan | |
| ❏ Get a list of Lessons that do not begin at the start of an Activity for a Plan | |
| ❏ Get a list of Lessons that do not end at the end of an Activity for a Plan | |
| ❏ Get a list of Activities with lesson gaps for a Plan | |

❑ Operations for Anchoring Lessons*:*

| | |
|---|---|
| ❏ Get all LessonAnchors for a Plan. | |
| ❏ Add a LessonAnchor for a given Lesson and Activity with a time offset | |
| ❏ Clear all LessonAnchors for an entire plan | |
| ❏ Clear all LessonAnchors in a Lesson | |
| ❏ Clear all LessonAnchors for a Lesson within the given offset time range | |

Minimally Supported Attributes of *Lessons:*

| | |
|---|---|
| ● A unique and permanent identifier | |
| ● The name of the Lesson | |
| ● A description of the Lesson | |
| ● The type of the Lesson | |
| ● The Plan associated with the Lesson | |
| ● The Docet associated with the Lesson | |
| ● The Activities to which this Lesson applies | |
| ● The planned start time within the first Activity as determined by Lesson scheduling | |
| ● Whether this Lesson has begun | |
| ● The Actual Start Time of the Lesson | |
| ● The Actual Starting Activity of the Lesson | |
| ● Whether this Lesson has been marked as Complete | |
| ● Whether this Lesson has been marked as skipped | |
| ● The Actual End Time of the Lesson | |
| ● The Actual Ending Activity of the Lesson | |
| ● The actual duration of this lesson if it has completed, in progress, or skipped | |
| ● Effective date range of this Lesson | |

| | |
|---|---|
| ● The reason this Lesson ended, if applicable | |

Minimally Supported Attributes of *LessonAnchors:*

| | |
|---|---|
| ● The Lesson | |
| ● The Activity | |
| ● The time offset from the start of the activity where the anchor exists. | |

# *Catalog*

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| A directory or other kind of organization for Course related entities. Such a grouping serves to separate learning objectives managed by different campuses or departments and to scope searches. |
| Also known as: CourseCatalog |

❏ Read Operations for *Catalogs:*                                                                                         *Score*

| | |
|---|---|
| ❏ Get Catalogs given unique Ids | |
| ❏ Get all the Catalogs in a system or Catalog | |
| ❏ Query (Search) Catalogs based on attribute-based query terms or keywords | |
| ❏ Traverse Hierarchical relationships between Catalogs | |
| ❏ Register for notifications Catalogs have been created, updated or deleted | |
| ❏ Register for notifications that hierarchical relationships between Catalogs have been created, updated or deleted | |

❏ Write Operations for *Catalogs:*

| | |
|---|---|
| ❏ Create, Update and Delete Catalogs | |
| ❏ Add an alias Id to reference an existing Catalog | |
| ❏ Manage Hierarchical relationships between Catalogs | |

Minimally Supported Attributes of *Catalogs:*

| | |
|---|---|
| ● A unique and permanent identifier. | |
| ● The name of the Catalog | |
| ● A description of the Catalog | |
| ● The type of the Catalog | |

| | |
|---|---|
| ● The provider of this Catalog | |
| ● Any available branding for this Catalog, for example, an organizational logo | |
| ● Any licensing (terms of usage) associated with this Catalog | |