Getting an API token:
In order to use the learn.saylor.org API, you'll need to first register an account and then obtain a token.

1) Go to https://learn.saylor.org/login/signup.php and follow the registration instructions.
2) After confirming your account, go to https://learn.saylor.org/user/preferences.php.
3) Click on ‘Security keys’.
4) Your API token is the key listed for the ‘Query’ service.

Querying the API:
The API can be queried by sending a POST to:
https://learn.saylor.org/webservice/rest/server.php

Responses can be formatted as either JSON or XML by specifying either in the moodlewsrestformat parameter. An example query using cURL would be the following:

curl -X POST https://learn.saylor.org/webservice/rest/server.php --data "wstoken=YOUR_API_TOKEN&wsfunction=local_wsfnc_get_visible_courses&moodlewsrestformat=json&cat=2" -v
**core_course_get_contents**
Get course contents.

Parameters:
- courseid= int

Returns:
An array of course contents, including each unit, unit summaries, modules, and links to resources within the module.

Array

( [0] => Array

  ( [id] => int
    [name] => string
    [visible] => int
    [summary] => string
    [summaryformat] => int
    [modules] => Array
      ( [0] => Array
        ( [id] => int
          [url] => string
          [name] => string
          [instance] => int
          [description] => string
          [visible] => int
          [modicon] => string
          [modname] => string
          [modplural] => string
          [availability] => string
          [indent] => int
          [contents] => Array
            ( [0] => Array
              ( [type] => string
                [filename] => string
                [filepath] => string
```
[filesize] => int
[fileurl] => string
[content] => string
[timecreated] => int
[timemodified] => int
[sortorder] => int
[userid] => int
[author] => string
[license] => string
)
**core_course_get_courses**

Return course details.

Parameters:

options[ids][0]= int

Returns:

An array of information about the course including name, summary, and times the course was created and modified.

Array

(  
[0] =>
  Array
(    
    [id] => int
    [shortname] => string
    [categoryid] => int
    [categoriesortorder] => int
    [fullname] => string
    [idnumber] => string
    [summary] => string
    [summaryformat] => int
    [format] => string
    [showgrades] => int
    [newsitems] => int
    [startdate] => int
    [numsections] => int
    [maxbytes] => int
    [showreports] => int
    [visible] => int
    [hiddensections] => int
    [groupmode] => int
    [groupmodeforce] => int
    [defaultgroupingid] => int
    [timecreated] => int
    [timemodified] => int
    [enablecompletion] => int
    [completionnotify] => int
    [lang] => string
    [forcetheme] => string
    [courseformatoptions] =>
      Array
(        [0] =>
        Array
}
( [name] => string [value] => string )
)
)
)
core_course_get_course_module
Return information about a course module.

Parameters:
  cmid= int

Returns:
  An array of information about a specific module.

Array
  ( [cm] => Array
  ( [id] => int
    [course] => int
    [module] => int
    [name] => string
    [modname] => string
    [instance] => int
    [section] => int
    [sectionnum] => int
    [groupmode] => int
    [groupingid] => int
    [completion] => int
    [idnumber] => string
    [added] => int
    [score] => int
    [indent] => int
    [visible] => int
    [visibleold] => int
    [completiongradeitemnumber] => int
    [completionview] => int
    [completionexpected] => int
    [showdescription] => int
    [availability] => string
  )
  [warnings] => Array
  ( [0] => Array
    ( [item] => string
      [itemid] => int
      [warningcode] => string
    )
  )
[message] => string
} )
)
)
core_course_search_courses
Search courses by (name, module, block, tag).

Parameters:
   criterianame= string

Returns:
   An array of courses and course information that match the query.

Array
   ( [total] => int
   [courses] =>
      Array
         ( [0] =>
            Array
               ( [id] => int
                 [fullname] => string
                 [shortname] => string
                 [categoryid] => int
                 [categoryname] => string
                 [summary] => string
                 [summaryformat] => int
                 [overviewfiles] =>
                    Array
                       ( [0] =>
                           Array
                              ( [filename] => string
                                [fileurl] => string
                                [filesize] => int
                              )
                       )
               )
            )
        )
   )
[contacts] =>
   Array
      ( [0] =>
         Array
            ( [id] => int
              [fullname] => string
            )
      )
   )
[enrollmentmethods] =>
    Array
        (  [0] => string  
    )
)
)
[warnings] =>
    Array
        (  [0] =>
            Array
                (  [item] => string  
                   [itemid] => int  
                   [warningcode] => string  
                   [message] => string  
                )
        )
  )
)
core_webservice_get_site_info
Return some site info / user info / list web service functions. Use this to get information about the user, such as the userid, whose token is being used.

Parameters:
None

Returns:
An array of site and user information.

Array
(
    [sitename] => string
    [username] => string
    [firstname] => string
    [lastname] => string
    [fullname] => string
    [lang] => string
    [userid] => int
    [siteurl] => string
    [userpictureurl] => string
    [functions] =>
        Array
            ( [0] =>
                Array
                    ( [name] => string
                        [version] => string
                    )
            [downloadfiles] => int
            [uploadfiles] => int
            [release] => string
            [version] => string
            [mobilecssurl] => string
            [advancedfeatures] =>
                Array
                    ( [0] =>
                        Array
                            ( [name] => string
                                [value] => int
                            )
                    )
    )
)
core_enrol_get_users_courses
Get the list of courses where a user is enrolled in.

Parameters:
userid= int

Returns:
An array of arrays containing the information of the courses a user is enrolled in and their enrollment information.

Array
( [0] => Array
  ( [id] => int
    [shortname] => string
    [fullname] => string
    [enrolledusercount] => int
    [idnumber] => string
    [visible] => int
    [summary] => string
    [summaryformat] => int
    [format] => string
    [showgrades] => int
    [lang] => string
    [enablecompletion] => int
  )
)
local_wsfunc_get_visible_courses
Return courses visible to a user.

Parameters:
  cat= int

Note: use cat=2 to get all the courses available to students.

Returns:
  An array of array of courses and associated information.

Array
  (  
    [courses] =>
      Array
        (  
          [0] =>
            Array
              (  
                [id] => int
                [category] => int
                [shortname] => string
                [fullname] => string
                [startdate] => string
                [summary] => string
              )
        )
  )
**core_course_get_categories**

Return category details.

Parameters:

```plaintext
criteria[0][key] = string
criteria[0][value] = string
```

Note: Key can be “id” – the category id number, “name” – the category name, or “parent” – the parent category id.

Returns:

An array of arrays containing information about the specified courses.

```plaintext
Array
  (0) =>
  Array
    (id => int
    name => string
    idnumber => string
    description => string
    descriptionformat => int
    parent => int
    sortorder => int
    coursecount => int
    visible => int
    visibleold => int
    timemodified => int
    depth => int
    path => string
    theme => string
    )
```
**core_completion_get_course_completion_status**  
Returns course completion status.

Parameters:  
courseid= int  
userid= int

Returns:  
A completionstatus array with objects containing completion related information.

Array  
(  
[completionstatus] =>  
Array  
(  
[completed] => int  
[aggregation] => int  
[completions] =>  
Array  
(  
[0] =>  
Array  
(  
[type] => int  
[title] => string  
[status] => string  
[complete] => int  
[timecompleted] => int  
[details] =>  
Array  
(  
[type] => string  
[criteria] => string  
[requirement] => string  
[status] => string  
)  
)  
)  
)  
[warnings] =>  
Array  
(  
[0] =>  
Array  
(  
[item] => string  
)  
)
[itemid] => int
[warningcode] => string
[message] => string