



Saylor Academy API

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_wsfunc_get_visible_courses&moodlewsrestformat=json&cat=2" -v
```



```
[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
        [categorysortorder] => 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:

 criterionname= 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
                )
        )
)
```

```
[usercanmanageownfiles] => int  
[userquota] => int  
[usermaxuploadfilesize] => 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:

```
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.

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  
)  
)  
)
```