

## local\_kos\_get\_courses\_in\_semester

Returns codes and ids of courses taught on moodle for a given semester.

### Arguments

**semester** (Required)

Semester code

#### General structure

```
string //Semester code
```

#### XML-RPC (PHP structure)

```
[semester] => string
```

#### REST (POST parameters)

```
semester= string
```

### Response

#### General structure

```
list of (  
object {  
id int //course id  
code string //course code  
}  
)
```

#### XML-RPC (PHP structure)

```
Array  
(  
[0] =>  
Array  
(  
[id] => int  
[code] => string  
)  
)
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
  <MULTIPLE>
    <SINGLE>
      <KEY name="id">
        <VALUE>int</VALUE>
      </KEY>
      <KEY name="code">
        <VALUE>string</VALUE>
      </KEY>
    </SINGLE>
  </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
  <MESSAGE>Invalid parameter value detected</MESSAGE>
  <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

local\_kos\_get\_grouped\_kos\_course\_codes

Returns main kos course code and all grouped kos course codes to the code passed in.

Arguments

**code** (Required)  
Kos course code

<b>General structure</b>
string <i>//Kos course code</i>
<b>XML-RPC (PHP structure)</b>
[code] => string
<b>REST (POST parameters)</b>
code= string

Response

**General structure**

```
object {  
  grouped_codes //Kos codes grouped together.  
  list of (  
    string //Course code  
  )  
  main_code string //Main kos course code.  
}
```

**XML-RPC (PHP structure)**

```
Array  
(  
    [grouped_codes] =>  
        Array  
        (  
            [0] => string  
        )  
    [main_code] => string  
)
```

**REST**

```
<?xml version="1.0" encoding="UTF-8" ?>  
<RESPONSE>  
  <SINGLE>  
    <KEY name="grouped_codes">  
      <MULTIPLE>  
        <VALUE>string</VALUE>  
      </MULTIPLE>  
    </KEY>  
    <KEY name="main_code">  
      <VALUE>string</VALUE>  
    </KEY>  
  </SINGLE>  
</RESPONSE>
```

**Error message****REST**

```
<?xml version="1.0" encoding="UTF-8"?>  
<EXCEPTION class="invalid_parameter_exception">  
  <MESSAGE>Invalid parameter value detected</MESSAGE>  
  <DEBUGINFO></DEBUGINFO>  
</EXCEPTION>
```

**Restricted to logged-in users**

Yes

**Callable from AJAX**

Yes

**local\_kos\_get\_user\_courses\_in\_semester**

Returns courses with codes for all/specified semester a user is enrolled in.

**Arguments**

**semester** (Default to "null")

Semester code

**General structure**

```
string Default to "null" //Semester code
```

**XML-RPC (PHP structure)**

```
[semester] => string
```

**REST (POST parameters)**

```
semester= string
```

**username** (Required)

Username

**General structure**

```
string //Username
```

**XML-RPC (PHP structure)**

```
[username] => string
```

**REST (POST parameters)**

```
username= string
```

**Response****General structure**

```
object {  
  user_id int //User id  
  semesters list of (  
    object {  
      semester string //Semester code  
      courses list of (  
        object {  
          moodle_course_id int //Course id  
          student_code string //Code of the kos course the student is enroled in.  
          codes //Codes of the courses grouped together in the given moodle course.  
            list of (  
              string //Course code  
            )  
        }  
      )  
    }  
  )  
}
```

**XML-RPC (PHP structure)**

```

Array
(
    [user_id] => int
    [semesters] =>
        Array
        (
            [0] =>
                Array
                (
                    [semester] => string
                    [courses] =>
                        Array
                        (
                            [0] =>
                                Array
                                (
                                    [moodle_course_id] => int
                                    [student_code] => string
                                    [codes] =>
                                        Array
                                        (
                                            [0] => string
                                        )
                                )
                            )
                        )
                    )
                )
            )
        )
    )
)

```

**REST**

```

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
  <SINGLE>
    <KEY name="user_id">
      <VALUE>int</VALUE>
    </KEY>
    <KEY name="semesters">
      <MULTIPLE>
        <SINGLE>
          <KEY name="semester">
            <VALUE>string</VALUE>
          </KEY>
          <KEY name="courses">
            <MULTIPLE>
              <SINGLE>
                <KEY name="moodle_course_id">
                  <VALUE>int</VALUE>
                </KEY>
                <KEY name="student_code">
                  <VALUE>string</VALUE>
                </KEY>
                <KEY name="codes">
                  <MULTIPLE>
                    <VALUE>string</VALUE>
                  </MULTIPLE>
                </KEY>
              </SINGLE>
            </MULTIPLE>
          </KEY>
        </SINGLE>
      </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>

```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
  <MESSAGE>Invalid parameter value detected</MESSAGE>
  <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

local\_kos\_get\_user\_grades\_in\_course

Returns info about users grades in a course

Arguments

courseid (Required)

Course Id

```
General structure

int    //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Required)

User id

```
General structure

int    //User id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

**General structure**

```
list of (
object {
id string itemname string itemtype string itemmodule string iteminstance string itemnumber string idnumber string categoryid string
outcomeid string scaleid string locked string graderaw string gradehiddenbydate string gradeneedsupdate string gradeishidden string
gradedatesubmitted string gradedategraded string gradeislocked string gradeisoverridden string gradeformatted string rangeformatted string
grademin string grademax string percentageformatted string feedback string feedbackformat string }
)
```

**XML-RPC (PHP structure)**

```
Array
(
    [0] =>
        Array
        (
            [id] => string
            [itemname] => string
            [itemtype] => string
            [itemmodule] => string
            [iteminstance] => string
            [itemnumber] => string
            [idnumber] => string
            [categoryid] => string
            [outcomeid] => string
            [scaleid] => string
            [locked] => string
            [graderaw] => string
            [gradehiddenbydate] => string
            [gradeneedsupdate] => string
            [gradeishidden] => string
            [gradedatesubmitted] => string
            [gradedategraded] => string
            [gradeislocked] => string
            [gradeisoverridden] => string
            [gradeformatted] => string
            [rangeformatted] => string
            [grademin] => string
            [grademax] => string
            [percentageformatted] => string
            [feedback] => string
            [feedbackformat] => string
        )
)
```

**REST**

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
  <MULTIPLE>
    <SINGLE>
      <KEY name="id">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="itemname">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="itemtype">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="itemmodule">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="iteminstance">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="itemnumber">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="idnumber">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="categoryid">
        <VALUE>string</VALUE>
      </KEY>
      <KEY name="outcomeid">
        <VALUE>string</VALUE>
      </KEY>
```

```
<KEY name="scaleid">
  <VALUE>string</VALUE>
</KEY>
<KEY name="locked">
  <VALUE>string</VALUE>
</KEY>
<KEY name="graderaw">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradehiddenbydate">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradeneedsupdate">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradeishidden">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradedatesubmitted">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradedategraded">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradeislocked">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradeisoverridden">
  <VALUE>string</VALUE>
</KEY>
<KEY name="gradeformatted">
  <VALUE>string</VALUE>
</KEY>
<KEY name="rangeformatted">
  <VALUE>string</VALUE>
</KEY>
<KEY name="grademin">
  <VALUE>string</VALUE>
</KEY>
<KEY name="grademax">
  <VALUE>string</VALUE>
</KEY>
<KEY name="percentageformatted">
  <VALUE>string</VALUE>
</KEY>
<KEY name="feedback">
  <VALUE>string</VALUE>
</KEY>
<KEY name="feedbackformat">
  <VALUE>string</VALUE>
</KEY>
</SINGLE>
</MULTIPLE>
</RESPONSE>
```

## Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
  <MESSAGE>Invalid parameter value detected</MESSAGE>
  <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

## Restricted to logged-in users

Yes

## Callable from AJAX

Yes



## local\_kos\_get\_users

Returns usernames/emails and ids of all users in moodle.

### Arguments

### Response

#### General structure

```
list of (  
  object {  
    id int    //user id  
    username string  //username  
  }  
)
```

#### XML-RPC (PHP structure)

```
Array  
(  
    [0] =>  
        Array  
        (  
            [id] => int  
            [username] => string  
        )  
)
```

#### REST

```
<?xml version="1.0" encoding="UTF-8" ?>  
<RESPONSE>  
  <MULTIPLE>  
    <SINGLE>  
      <KEY name="id">  
        <VALUE>int</VALUE>  
      </KEY>  
      <KEY name="username">  
        <VALUE>string</VALUE>  
      </KEY>  
    </SINGLE>  
  </MULTIPLE>  
</RESPONSE>
```

### Error message

#### REST

```
<?xml version="1.0" encoding="UTF-8"?>  
<EXCEPTION class="invalid_parameter_exception">  
  <MESSAGE>Invalid parameter value detected</MESSAGE>  
  <DEBUGINFO></DEBUGINFO>  
</EXCEPTION>
```

### Restricted to logged-in users

Yes

### Callable from AJAX

Yes