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# **muddle Documentation**

***Release 0.1***

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## About

A rather incomplete python client for the Moodle 2.0 Web API. Feel free to give it some love.

## API Coverage

- 19% core API coverage
- Complete: core\_course\_\*

## Usage

basic usage:

```
import muddle

API_KEY = '133bf54a4adf1e21aff0c29034c038e2'
API_URL = 'https://your.moodle.server'

moodle = muddle.authenticate(API_KEY, API_URL)

course_contents = moodle.course(10).contents()
```

## Documentation

Documentation is available from: <<http://muddlepy.readthedocs.org/en/latest/>>

## Installation

To install `muddle.py`:

```
$ pip install muddle
```

Alternatively, if you're a bad person:

```
$ easy_install muddle
```

## License

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### 0.1.0 (2013-11-13)

- Initial release.

**class** `muddle.api.Muddle`

The main Muddle class

Example Usage:

```
>>> import muddle
>>> course = muddle.course(int)
```

<Response [200]>

**class** `muddle.api.Course(course_id=None)`

Represents API endpoints for a Moodle Course

**contents** ()

Returns entire contents of course page

**Returns** response object

Example Usage:

```
>>> import muddle
>>> muddle.course(10).content()
```

**create** (*fullname*, *shortname*, *category\_id*, *\*\*kwargs*)

Create a new course

**Parameters**

- **fullname** (*string*) – The course's fullname
- **shortname** (*string*) – The course's shortname
- **category\_id** (*int*) – The course's category

- **idnumber** (*string*) – (optional) Course ID number. Yes, it’s a string, blame Moodle.
- **summaryformat** (*int*) – (optional) Defaults to 1 (HTML). Summary format options: (1 = HTML, 0 = Moodle, 2 = Plain, or 4 = Markdown)
- **format** (*string*) – (optional) Defaults to “topics” Topic options: (weeks, topics, social, site)
- **showgrades** (*bool*) – (optional) Defaults to True. Determines if grades are shown
- **newsitems** (*int*) – (optional) Defaults to 5. Number of recent items appearing on the course page
- **startdate** (*bool*) – (optional) Timestamp when the course start
- **maxbytes** (*int*) – (optional) Defaults to 83886080. Largest size of file that can be uploaded into the course
- **showreports** (*bool*) – Default to True. Are activity report shown?
- **visible** (*bool*) – (optional) Determines if course is visible to students
- **groupmode** (*int*) – (optional) Defaults to 2. options: (0 = no group, 1 = separate, 2 = visible)
- **groupmodeforce** (*bool*) – (optional) Defaults to False. Force group mode
- **defaultgroupingid** (*int*) – (optional) Defaults to 0. Default grouping id
- **enablecompletion** (*bool*) – (optional) Enable control via completion in activity settings.
- **completionstartonenrol** (*bool*) – (optional) Begin tracking a student’s progress in course completion after
- **completionnotify** (*bool*) – (optional) Default? Dunno. Presumably notifies course completion
- **lang** (*string*) – (optional) Force course language.
- **forcetheme** (*string*) – (optional) Name of the force theme

Example Usage:

```
>>> import muddle
>>> muddle.course().create('a new course', 'new-course', 20)
```

#### **delete()**

Deletes a specified courses

Example Usage:

```
>>> import muddle
>>> muddle.course(10).delete()
```

#### **duplicate** (*fullname, shortname, categoryid, visible=True, \*\*kwargs*)

Duplicates an existing course with options. Note: Can be very slow running.

##### Parameters

- **fullname** (*string*) – The new course’s full name
- **shortname** (*string*) – The new course’s short name
- **categoryid** (*string*) – Category new course should be created under

- **visible** (*bool*) – Defaults to True. The new course's visibility
- **activities** (*bool*) – (optional) Defaults to True. Include course activities
- **blocks** (*bool*) – (optional) Defaults to True. Include course blocks
- **filters** (*bool*) – (optional) Defaults to True. Include course filters
- **users** (*bool*) – (optional) Defaults to False. Include users
- **role\_assignments** (*bool*) – (optional) Defaults to False. Include role assignments
- **comments** (*bool*) – (optional) Defaults to False. Include user comments
- **usercompletion** (*bool*) – (optional) Defaults to False. Include user course completion information
- **logs** (*bool*) – (optional) Defaults to False. Include course logs
- **grade\_histories** (*bool*) – (optional) Defaults to False. Include histories

**Returns** response object

Example Usage:

```
>>> import muddle
>>> muddle.course(10).duplicate('new-fullname', 'new-shortname', 20)
```

**export\_data** (*export\_to*, *delete\_content=False*)

Export course data to another course. Does not include any user data.

**Parameters** **delete\_content** (*bool*) – (optional) Delete content from source course.

Example Usage:

```
>>> import muddle
>>> muddle.course(10).export_data(12)
```

**class** `muddle.api.Category` (*category\_id=None*)

Represents API endpoints for Moodle Courses Categories

**create** (*category\_name*, *\*\*kwargs*)

Create a new category

**Parameters**

- **name** (*string*) – new category name
- **parent** (*int*) – (optional) Defaults to 0, root category. The parent category id inside which the new category will be created
- **description** (*string*) – (optional) The new category description
- **descriptionformat** (*int*) – (optional) Defaults to 1 description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, 4 = MARKDOWN)
- **theme** (*string*) – (optional) The new category theme

Example Usage:

```
>>> import muddle
>>> muddle.category().create('category name')
```

**delete** (*new\_parent=None*, *recursive=False*)

Deletes a category. Optionally moves content to new category. Note: If category is in root, *new\_parent* must be specified.

### Parameters

- **new\_parent** (*int*) – (optional) Category ID of new parent
- **recursive** (*bool*) – recursively delete contents inside this category

Example Usage:

```
>>> import muddle
>>> muddle.category(10).delete()
```

### **details()**

Returns details for given category

**Returns** category response object

Example Usage:

```
>>> import muddle
>>> muddle.category(10).details()
```

### **update** (*\*\*kwargs*)

Update categories

### Parameters

- **name** (*string*) – (optional) Name
- **idnumber** (*string*) – (optional) Id number
- **parent** (*int*) – (optional) Parent category id
- **description** (*string*) – (optional) Description
- **description-format** (*int*) – Defaults to 1 (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
- **theme** (*string*) – (optional) Theme

Example Usage:

```
>>> import muddle
>>> muddle.category(10).update(name='new name')
```

## CHAPTER 3

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### Indices and tables

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