Unite! Search engine Web Services

# Introduction

This document explains how the two Web Services were created to retrieve featured courses and to insert web pages or other types of content into UNITE's Search engine.

In all Web Services, there are three required parameters:

* **wstoken:** Token for calls.
* **wsfunction:** Function names.
* **moodlewsrestformat:** Answer format. We will always use "*json*".

# local\_externaldocument\_get\_featured\_courses

Get courses marked as featured. You can indicate *highlight* dates from which to search for these courses.

## Arguments

* **sincedate**: [OPTIONAL] It will only return courses with a highlight start date equal to or greater than this parameter.
* **untildate**: [OPTIONAL] It will only return courses with a highlight end date equal to or less than this parameter.

## Response format

[

{

coursename string *//Course full name*

category string *//Course category full name*

coursestartdate string *//Date in format dd/mm/yyyy when the course starts*

customfields {

institution string Optional *//Organizer*

deadline string Optional *//Deadline*

highlightstart string Optional *//When the course starts being highlighted*

highlightend string Optional *//When the course ends being highlighted*

scope string Optional *//The scope of the course*

}

}

]

It returns an empty collection if there is no outstanding course.

## Exemple

<https://atenea-20.pre.upcnet.es/mcu_campus/webservice/rest/server.php?wstoken=e87f2d7d5191b2a2e1f5e42afed78bc6&wsfunction=local_externaldocument_get_featured_courses&moodlewsrestformat=json&sincedate=09/03/2022&untildate=04/05/2022>

# local\_externaldocument\_add

Add new documents (*webpage, course, internship i person*) to Unite’s search engine.

## Arguments

* **extdocs**: Each document in JSON format.
  + type [string] (*webpage, course, internship, person*)

webpage

* + title [string]
  + tags [string]
  + language [string]
  + description1 [string]
  + hostuniversity [string]
  + url [string]

course

* + title [string]
  + maximumnumberofstudents [number]
  + description1 [string]
  + subjectarea [string]
  + subjecsubtarea [string]
  + tags [string]
  + credit [string]
  + price [string]
  + level [string]
  + startofteachingperiod [number]
  + endofteachingperiod [number]
  + applicationdeadline [number]
  + hostuniversity [text]
  + format [text]
  + workspacelanguage1 [text]
  + workspacelanguage2 [text]
  + url [text]
  + isthiscoursefrommetacampus [text]

internship

* + title [string]
  + description1 [string]
  + companyfullname [string]
  + applicationopening [number]
  + applicationdeadline [number]
  + workingday [string]
  + subjectarea [string]
  + subjectsubarea [string]
  + typeofcandidate [string]
  + mail [string]
  + hostuniversity [string]
  + format [string]
  + url [string]
  + workspacelanguage1 [string]
  + workspacelanguage2 [string]
  + tags [string]

person:

* + title [string]
  + givenname [string]
  + hostuniversity [string]
  + tags [string]
  + occupation [string]
  + orcidid [string]
  + url [string]

## Content types

**hostuniversity:**

[‘Aalto University’,

‘KTH Royal Institute of Technology’,

‘Politechnika Wroclawska’,

‘Technical University of Darmstadt’,

‘Grenoble INP-UGA’,

‘Politecnico di Torino’,

‘Universitat Politècnica de Catalunya UPC’,

‘Universidade de Lisboa’,

‘Techinsche Universitaet Graz’,

‘outside Unite!’]

**subjectarea & subjectsubarea:**

[{

"01 Agricultural sciences": [

"01.0 Agricultural sciences",

"01.1 Agriculture",

"01.2 Agricultural Economics",

"01.3 Food Science and Technology",

"01.4 Horticulture",

"01.5 Fisheries",

"01.6 Forestry",

"01.7 Animal Husbandry",

"01.8 Tropical/Subtropical Agriculture",

"01.9 Others Agricultural Sciences"

],

"02 Architecture, Urban and Regional Planning": [

"02.0 Architecture, Urban and Regional Planning",

"02.1 Architecture",

"02.2 Interior Design",

"02.3 Urban Planning",

"02.4 Regional Planning",

"02.5 Landscape Architecture",

"02.6 Transport and Traffic Studies",

"02.9 Others Architecture, Urban and Regional Planning"

],

"03 Art and Design": [

"03.0 Art and Design",

"03.1 Fine Art (Painting, Sculpture, Printmaking)",

"03.2 Music and Musicology",

"03.3 Performing Arts",

"03.4 Photography, Cinematography",

"03.5 Design (Graphic Design, Industrial Design, Fashion, Textile)",

"03.6 History of Art",

"03.9 Others Art and Design"

],

"04 Business Studies, Management Science": [

"04.0 Business Studies, Management Science",

"04.1 Business Studies with languages",

"04.2 Business Studies with technology",

"04.3 Accountancy, Financial Management",

"04.4 Tourism, Catering, Hotel Management",

"04.5 Industrial Relations and Personnel Management",

"04.6 Secretarial Studies",

"04.7 Marketing and Sales Management",

"04.9 Others Business Studies, Management Science"

],

"05 Education, Teacher Training": [

"05.0 Education, Teacher Training",

"05.1 Teacher Training",

"05.2 Primary Education",

"05.3 Secondary Education",

"05.4 Vocational and Technical Education",

"05.5 Adult Education",

"05.6 Special Education",

"05.7 Educational Science, Comparative Education",

"05.8 Educational Psychology",

"05.9 Others Education, Teacher Training"

],

"06 Engineering, Technology": [

"06.0 Engineering, Technology",

"06.1 Mechanical Engineering",

"06.2 Electrical Engineering",

"06.3 Chemical Engineering",

"06.4 Civil Engineering",

"06.5 Electronic Engineering, Telecommunications",

"06.6 Manufacturing Sciences (including CAD, CAM, CAE)",

"06.7 Materials Science",

"06.8 Aeronautical Engineering",

"06.9 Others Engineering, Technology"

],

"07 Geography, Geology": [

"07.0 Geography, Geology",

"07.1 Geography",

"07.2 Environmental Sciences, Ecology",

"07.3 Geology",

"07.4 Soil and Water Sciences",

"07.6 Geodesy, Cartography, Remote Sensing",

"07.7 Meteorology",

"07.9 Others Geography, Geology"

],

"08 Humanities": [

"08.0 Humanities",

"08.1 Philosophy",

"08.2 Theology",

"08.3 History",

"08.4 Archaeology",

"08.9 Others Humanities"

],

"09 Languages and Philological Sciences": [

"09.0 Languages and Philological Sciences",

"09.1 Modern EC Languages",

"09.2 General and comparative literature",

"09.3 Linguistics",

"09.4 Translation, Interpretation",

"09.5 Classical Philology",

"09.6 Non-EC Languages",

"09.8 Less Widely Taught Languages",

"09.9 Others Languages and Philological Sciences"

],

"10 Law": [

"10.0 Law",

"10.1 Comparative Law, Law with Languages",

"10.2 International Law",

"10.3 Civil Law",

"10.4 Criminal Law, Criminology",

"10.5 Constitutional /Public Law",

"10.6 Public Administration",

"10.7 European Community/EU Law",

"10.9 Others Law"

],

"11 Mathematics, Informatics": [

"11.0 Mathematics, Informatics",

"11.1 Mathematics",

"11.2 Statistics",

"11.3 Informatics, Computer Science",

"11.4 Artificial Intelligence",

"11.5 Actuarial Science",

"11.9 Others Mathematics, Informatics"

],

"12 Medical Sciences": [

"12.0 Medical Sciences",

"12.1 Medicine",

"12.2 Psychiatry and Clinical Psychology",

"12.3 Dentistry",

"12.4 Veterinary Medicine",

"12.5 Pharmacy",

"12.6 Nursing, Midwifery, Physiotherapy",

"12.7 Public Health",

"12.8 Medical Technology",

"12.9 Others Medical Sciences"

],

"13 Natural Sciences": [

"13.0 Natural Sciences",

"13.1 Biology",

"13.2 Physics",

"13.3 Chemistry",

"13.4 Microbiology, Biotechnology",

"13.5 Nuclear and High Energy Physics",

"13.6 Biochemistry",

"13.7 Astronomy, Astrophysics",

"13.8 Oceanography",

"13.9 Others Natural Sciences"

],

"14 Social Sciences": [

"14.0 Social Sciences",

"14.1 Political Science",

"14.2 Sociology",

"14.3 Economics",

"14.4 Psychology and Behavioural Sciences",

"14.5 Social Work",

"14.6 International Relations, European Studies, Area Studies",

"14.7 Anthropology",

"14.8 Development Studies",

"14.9 Others Social Sciences"

],

"15 Communication and Information Sciences": [

"15.0 Communication and Information Sciences",

"15.1 Journalism",

"15.2 Radio/TV Broadcasting",

"15.3 Public Relations, Publicity, Advertising",

"15.4 Library Science",

"15.5 Documentation, Archiving",

"15.6 Museum Studies, Conservation",

"15.9 Others Communication and Information Sciences"

],

"16 Other Areas of Study": [

"16.0 Other Areas of Study",

"16.1 Physical Education, Sport Science",

"16.2 Leisure Studies",

"16.3 Home Economics, Nutrition",

"16.4 Nautical Science, Navigation",

"16.9 Others in Other Areas of Study"

]

}]

**format**: ['Online', 'Hybrid', 'In Person'].

**language,workspacelanguage1,workspacelanguage2**: [‘ca’,’de’,’en’,’es’,’fr’,’it’,’pl’,’pt’,’fi’,’sv’].

**level**: ['Beginner, Intermediate, 'Advanced'].

**isthiscoursefrommetacampus**: [‘Yes’, ‘No’].

**typeofcandidate**: ['Adult learner', 'Degree student', 'Master student', 'PhD student'].

**workingday**: ['Full day', 'Morning shift', 'Afternoon shift', 'Working day to be defined']

## Response format

{

errors [

object {

extdoc string Optional *//Document*

error\_msg string Optional *//Errors occurred during execution*

}

]

errors\_count int Optional *//Number of documents not processed due to an error occurred during execution*

}

## Exemple

<https://atenea-20.pre.upcnet.es/mcu_campus/webservice/rest/server.php?wsfunction=local_externaldocument_add&moodlewsrestformat=json&wstoken=e87f2d7d5191b2a2e1f5e42afed78bc6>

Body content:

{

"type":"person",

"title":"Lorem ipsum",

"givenname":"Lorem",

"familyname":"ipsum",

"hostuniversity":"Wroclaw Tech",

"tags":"Tag1, Tag2",

"occupation":"university teacher",

"orcidid":"0000-0002-9543-472X",

"url":"http://pip.ar/meom"

}