

General Timetable API

REST API which is used for retrieving information about lectures and other events (exams, labs, ...) taking place at the FUB

The API does not implement any security mechanisms like tokens, passwords, etc.

Web Endpoint

The endpoint can be found under this URL:

HTTP GET

`https://webservices.scientificnet.org/rest/cm/core/api/Timetable/GetEvents/?q={"Departments":[], "Cities":[], "ActivityTypes":[], "OnlyCurrent":true, "Day":"2017-10-05T00:00:00Z", "MinutesToBegin":30}`

Data returned

It returns an array (JSON) of *WebEvent* objects, consisting of following fields:

- Start (DateTime) – when does the event start
- End (DateTime) – when does the event end
- Date (Date) – event date (without time indication)
- HideEndTime (bool) – whether the End Time field should be displayed or not
- StaffAcademicTitle (string) – the academic title of the lecturer
- StaffLastname (string) – last name of the lecturer
- StaffFirstname (string) – first name of the lecturer
- ProfHrisId (int) – the ID of the lecturer, from HRIS
- ActivityDescription (string) – the title of the event
- ActivityType (string) – type of the event, one of those values:
 - o LECT - lecture
 - o OFFICE – office hours
 - o EXAM - exam
 - o EXERCISE – exercise
 - o LAB - labs
 - o AGG – aggiuntiva (other)
- BuildingName (string) – the name of the building where the event takes place, e.g. Dan BX, Ser-A
- City (string) – the city where the event takes place: Bolzano, Bressanone or Brunico
- Room (string) – the short name of the room where the event takes place
- RoomDescription (string) – the long description of the room where the event takes place, including building name
- RIS_departmentID (int) – the ID of the department/faculty from RIS
- DepartmentId (int) – the ID of the department/faculty from HRIS
- ProfImageUrl (string) – the URL of the lecturer's avatar/image

Querying

The query object (*q*) contains a set of several filters which can be applied for filtering the list. If these parameters are left empty, then – by default – the up-to-date list of all types of events is retrieved, valid for the current date and time.

Here is the list of parameters sent in the query (*q*) object:

Departments:

An array of department/faculty IDs, containing any mix of those given below. Empty array means no filter will be applied. Example usage: *"Departments":[1044,4182]*.

Here's the ID's mapping to faculties:

- 1045: ComputerScience
- 1343: Economics
- 1044: Education
- 4182: DesignAr
- 9475: ScienceTech
- 1909: LanguageCentre
- 10: StudiumGenerale
- 170: LanguageStudy
- 1400: Conservatorium

Cities

An array of city IDs, containing any mix of those given below. Empty array means no filter will be applied. Example usage: *"Cities":[1,2]*.

- 1: Bolzano
- 2: Bressanone
- 3: Brunico

ActivityTypes

An array of strings, containing any mix of those given below. Empty array means no filter will be applied. Example usage: *"ActivityTypes":['LECT','EXAM']*.

- LECT - lecture
- OFFICE – office hours
- EXAM - exam
- EXERCISE – exercise
- LAB - labs
- AGG – aggiuntiva (other)

OnlyCurrent

It's a Boolean value. If set to *true*, only the activities/events that currently take place will be returned, and the *Day* parameter will be ignored. Please also refer to the field *MinutesToBegin* for further logic explanation.

Day

String representation of a date. It is used only when the parameter *OnlyCurrent* is set to *false*. Should be in the format *yyyy-mm-ddThh:MM:ssZ*, for example: *2017-10-05T00:00:00Z*

Using this approach all the events from a given day (without time restrictions) are returned.

MinutesToBegin

Integer – number of minutes (*X*). If the *OnlyCurrent* parameter is set to *true*, the list returned will display the events, which:

- Are taking place in the exact moment when query is executed, or
- Are taking place later on today, but they start within *X* minutes indicated by the parameter.

Hence, if we execute the query with the *MinutesToBegin* parameter set to 30 minutes, and we execute the query at 11 AM, the events which start later than 11:30 AM will not be displayed at that point of time. The ones that start at 11:15 AM though, will be included, together with the currently ongoing ones.

The past events from a given day are not included in the list returned if *OnlyCurrent* is set to *true*.