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Information Technology Department

UMAServiceHub Microservice Documentation

API Integration and Reference Guide

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INTRODUCTION

We are pleased to introduce the UMAServiceHub microservice, specifically designed to enrich chatbot applications with detailed and up-to-date information about students. This service is an essential tool for any chatbot project looking to integrate academic data securely and efficiently.

The aim of this document is to guide you through the process of integrating UMAServiceHub with your chatbot, providing all the necessary details for a successful implementation. We will cover everything from the initial steps of setting up your development environment to practical examples of how to make queries to our API.

Why Postman?

We have chosen Postman, a leading platform for API development, due to its ease of use and versatility. Postman not only allows for quick API testing but also manages changes and facilitates collaboration among development teams. For more information on how to use Postman, visit its official page at <https://www.postman.com/>.

We hope this documentation provides everything you need to effectively integrate UMAServiceHub into your chatbot solution. Please do not hesitate to contact us if you require further assistance or have specific questions.

I. MICROSERVICE

1.1 Domain

- **BASE URL:** <http://37.60.229.241:8085/service-uma/>
- **Email:** grupoa@uma.edu.pe
- **Password:** RvTpmvJ

1.2 Glossary

1.2.1 Response

- **200 OK**
 - **Description:** The request has been successfully completed.
- **401 Unauthorized**
 - **Description:** Unauthorized. Authentication token is missing or invalid.
- **403 Forbidden**
 - **Description:** Not authorized to consume this service. The token lacks necessary permissions.
- **404 Not Found**
 - **Description:** The requested data was not found.
- **422 Unprocessable Entity**
 - **Description:** Incomplete parameters or unprocessable content. Check the submitted data.

1.2.3 APIS

1. enrollment-uma

- a. **Description:** View your enrolled courses for that period.
- b. **Requirements:** Requires student code and elective period.

2. course-schedules

- a. **Description:** View your enrolled courses for that period and their schedules.
- b. **Requirements:** Requires student code and elective period.

3. course-schedule

- a. **Description:** View the enrolled course for that period and its schedule.
- b. **Requirements:** Requires student code, elective period, and course code.

4. attendance

- a. **Description:** View your enrolled courses for that period and check attendance for each.
- b. **Requirements:** Requires student code and elective period.

5. course-attendance

- a. **Description:** View your enrolled course for that period and check attendance.
- b. **Requirements:** Requires student code, elective period, and course code.

6. course-qualifications

- a. **Description:** View your enrolled courses for that period and their grades.
- b. **Requirements:** Requires student code and elective period.

7. course-qualification

- a. **Description:** View your enrolled course for that period and its grade.
- b. **Requirements:** Requires student code, elective period, and course code.

8. payment

- a. **Description:** View your payments for that period.
- b. **Requirements:** Requires student code and elective period.

9. Payment-monthly

- a. **Description:** View your payments for that period and expiration.
- b. **Requirements:** Requires student code and elective period.

10. Schedule-available

- a. **Description:** See the available schedules for courses before registration
- b. **Requirements:** Requires student code and elective period.

11. Notes-period

- a. **Description:** Returns the final grades for each course in that period

- b. Requirements: Requires student code and elective period.

12. Total-debt

- a. Description: Returns the student's total debt in that period.
- b. Requirements: Requires student code and elective period.

1.2.3 Response Body Structure

Below is an example of the response body structure:

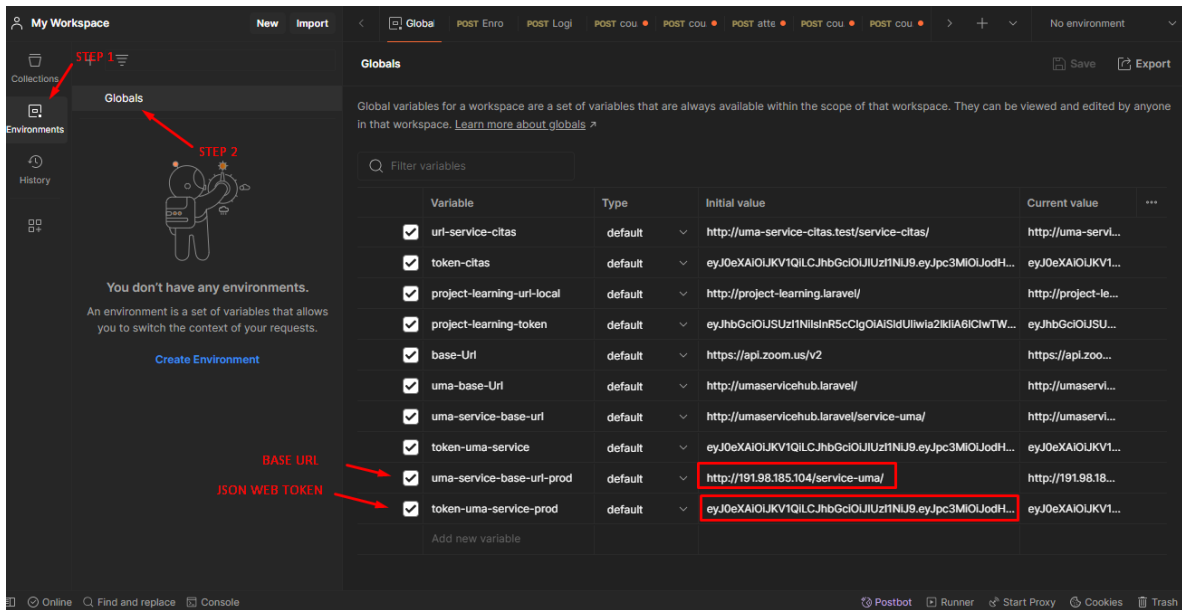
```
{  
  "status": 200,  
  "message": "Payment Monthly List",  
  "data": []  
}
```

Field Descriptions:

- **status:** The HTTP status code of the response. A status of 200 indicates a successful request.
- **message:** A brief message describing the content or result of the response.
- **data:** An array containing the details. If there are no data to display, this array will be empty.

II. API

2.1 Global Variables (POSTMAN)



My Workspace New Import

Globals (STEP 1)

Environments (STEP 2)

You don't have any environments.
An environment is a set of variables that allows you to switch the context of your requests.
[Create Environment](#)

Globals

Global variables for a workspace are a set of variables that are always available within the scope of that workspace. They can be viewed and edited by anyone in that workspace. [Learn more about globals](#)

Filter variables

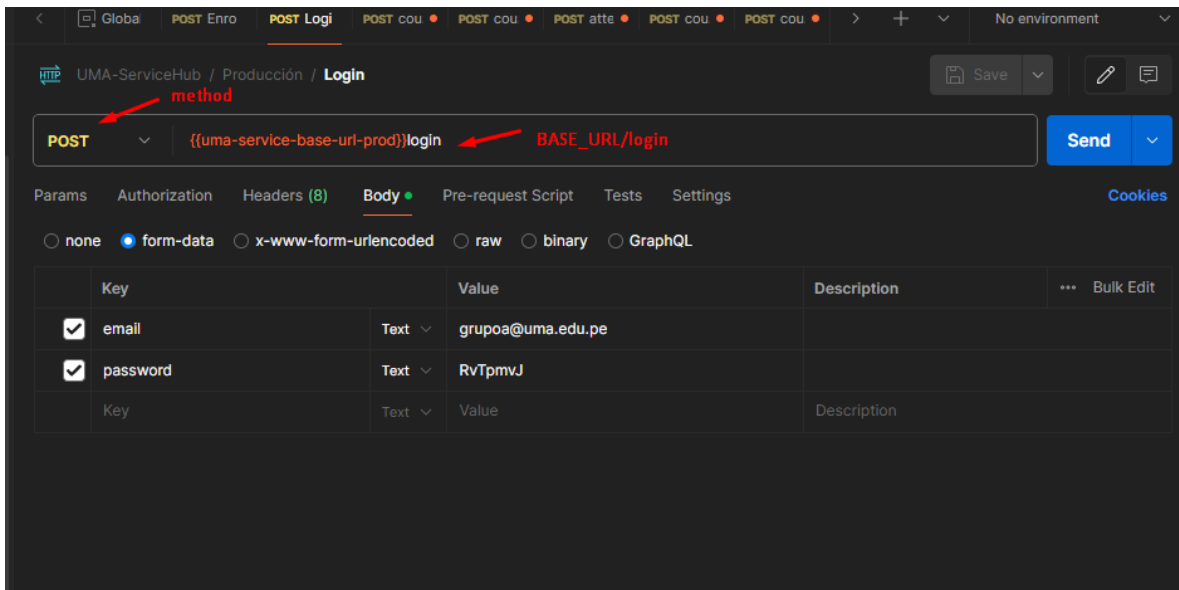
Variable	Type	Initial value	Current value	...
<input checked="" type="checkbox"/> url-service-citas	default	http://uma-service-citas.test/service-citas/	http://uma-serv...	
<input checked="" type="checkbox"/> token-citas	default	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiU9.eyJpc3MiOiJodH...	eyJ0eXAiOiJKV1...	
<input checked="" type="checkbox"/> project-learning-url-local	default	http://project-learning.laravel/	http://project-le...	
<input checked="" type="checkbox"/> project-learning-token	default	eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXZW50aWw2IiwiaWF0Ij0i...	eyJhbGciOiJSU...	
<input checked="" type="checkbox"/> base-Url	default	https://apl.zoom.us/v2	https://apl.zoo...	
<input checked="" type="checkbox"/> uma-base-Url	default	http://umaservicehub.laravel/	http://umaservi...	
<input checked="" type="checkbox"/> uma-service-base-url	default	http://umaservicehub.laravel/service-uma/	http://umaservi...	
<input checked="" type="checkbox"/> token-uma-service	default	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiU9.eyJpc3MiOiJodH...	eyJ0eXAiOiJKV1...	
<input checked="" type="checkbox"/> uma-service-base-url-prod	default	http://191.98.185.104/service-uma/	http://191.98.18...	
<input checked="" type="checkbox"/> token-uma-service-prod	default	eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiU9.eyJpc3MiOiJodH...	eyJ0eXAiOiJKV1...	

BASE URL (points to 'uma-service-base-url-prod')

JSON WEB TOKEN (points to 'token-uma-service-prod')

Postbot Runner Start Proxy Cookies Trash

2.2 login (POST)

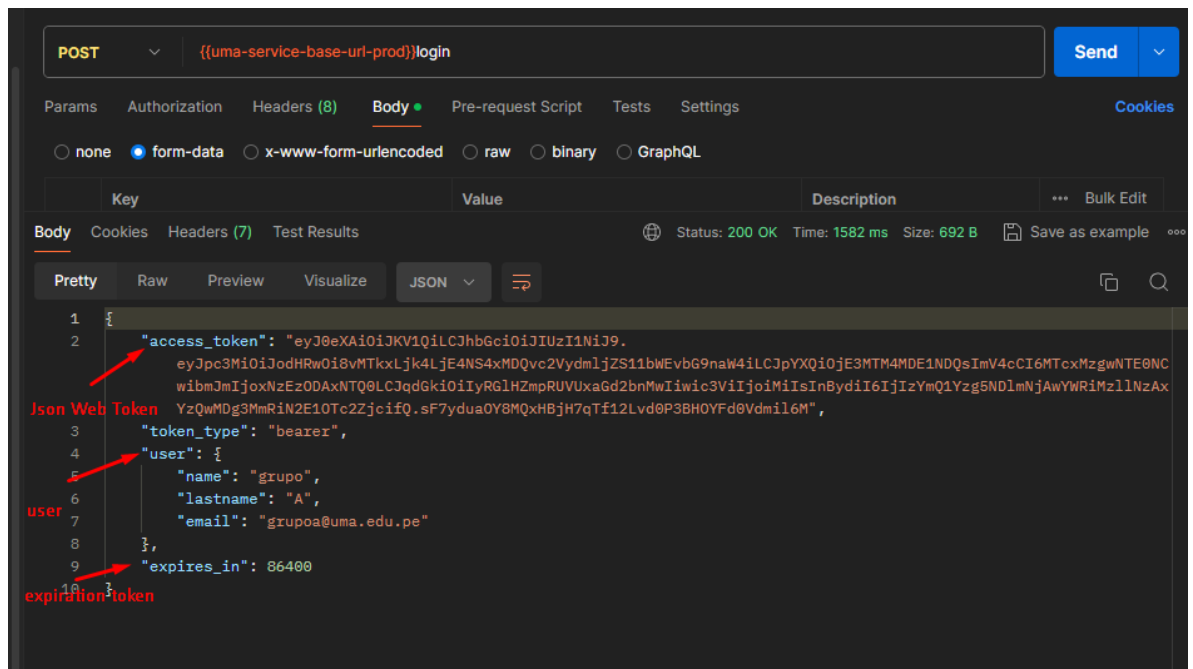


The screenshot shows a REST client interface with the following details:

- Method:** POST (indicated by a red arrow and the word "method").
- URL:** `{{uma-service-base-url-prod}}login` (indicated by a red arrow and the text "BASE_URL/login").
- Body Type:** form-data (selected).
- Params:**

Key	Value	Description
email	grupoa@uma.edu.pe	
password	RvTpmvJ	

- **Response 200:**



The screenshot shows the response of a successful login request (Status: 200 OK). The response is in JSON format and contains the following fields:

- access_token:** A long alphanumeric string (indicated by a red arrow and the text "access_token").
- token_type:** bearer (indicated by a red arrow and the text "token_type").
- user:** An object containing user information (indicated by a red arrow and the text "user").
 - name:** grupo
 - lastname:** A
 - email:** grupoa@uma.edu.pe
- expires_in:** 86400 (indicated by a red arrow and the text "expires_in").

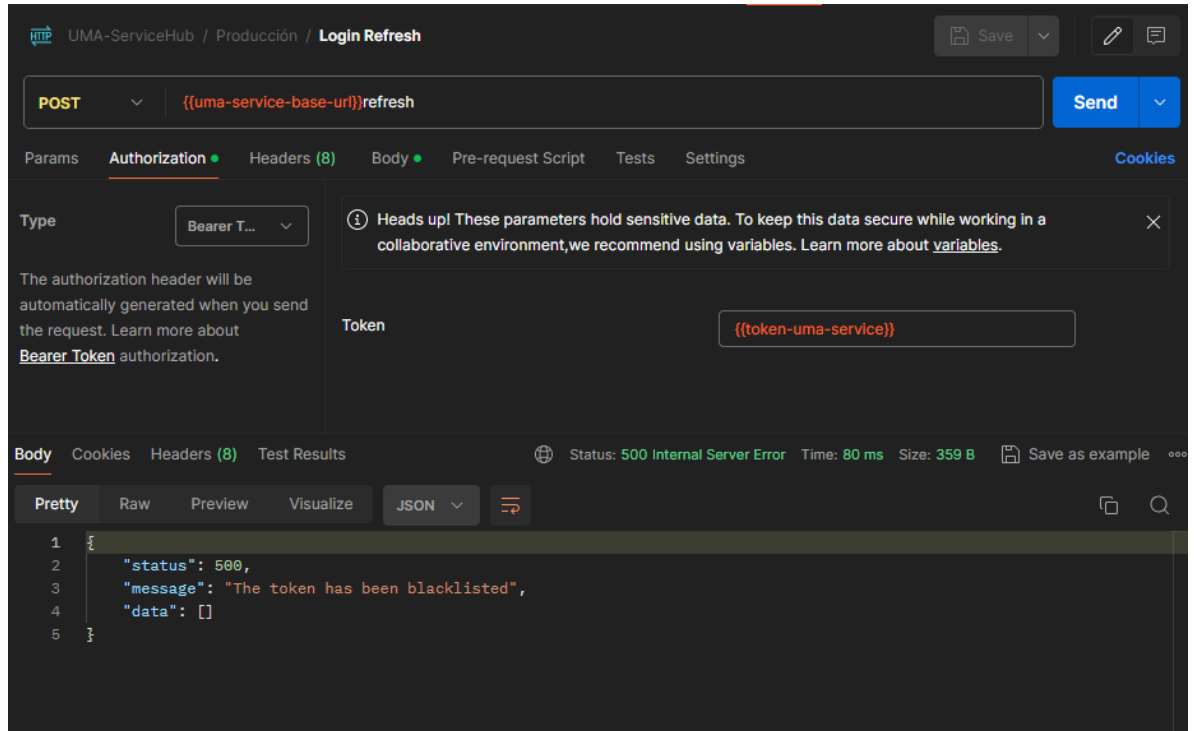
The response is also labeled as "Json Web Token" and "expiration token" with red arrows.

- **Response 401:**

- **Response 200**

[illegible]

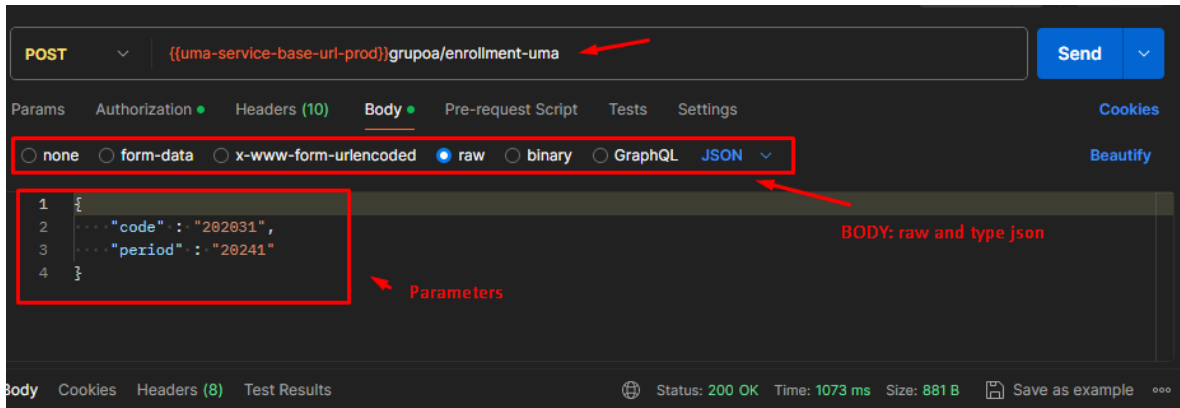
- **Response 500**



The screenshot shows a Postman interface for a POST request to `{{uma-service-base-url}}refresh`. The request is configured with Bearer Token authorization, where the token is `{{token-uma-service}}`. The response status is **500 Internal Server Error** with a time of 80 ms and size of 359 B. The response body is shown in JSON format:

```
1 {
2   "status": 500,
3   "message": "The token has been blacklisted",
4   "data": []
5 }
```

2.4 grupoa/enrollment-uma (POST)



The screenshot shows a Postman interface for a POST request to `{{uma-service-base-url-prod}}grupos/enrollment-uma`. The request body is set to raw JSON, containing the following parameters:

```
1 {
2   "code": "202031",
3   "period": "20241"
4 }
```

Red annotations highlight the URL, the raw JSON body type, and the parameters within the body. The response status is **200 OK** with a time of 1073 ms and size of 881 B.

- **Response 200:**

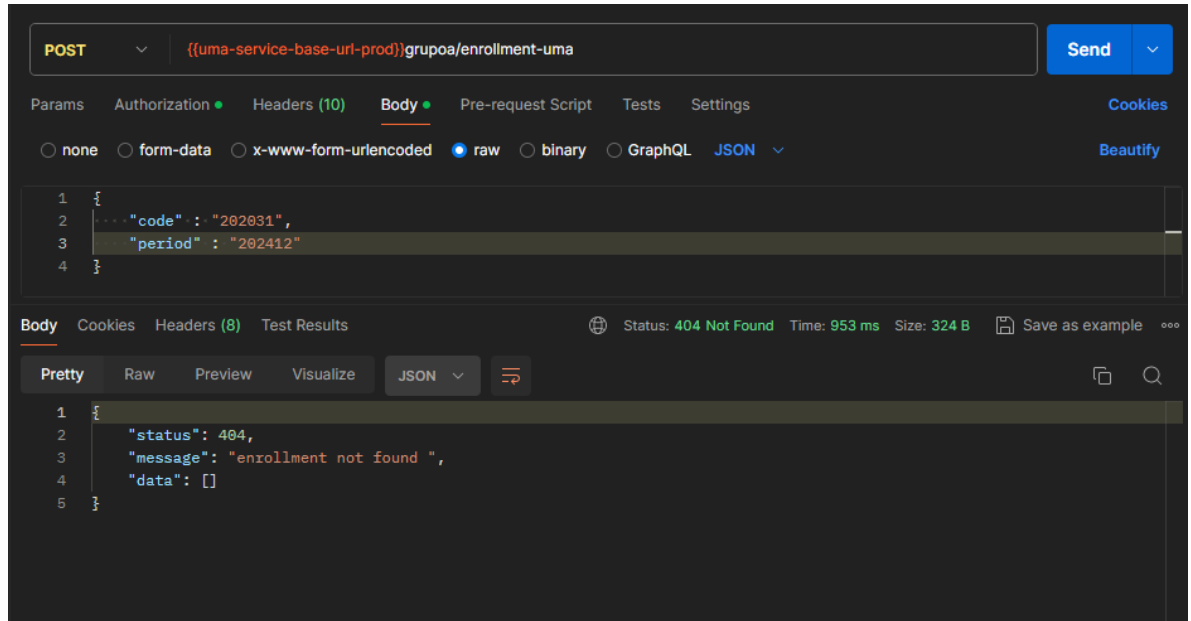
```

Body  Cookies  Headers (8)  Test Results  Status: 200 OK  Time: 1036 ms  Size: 880 B  Save as example
Pretty  Raw  Preview  Visualize  JSON  ↺

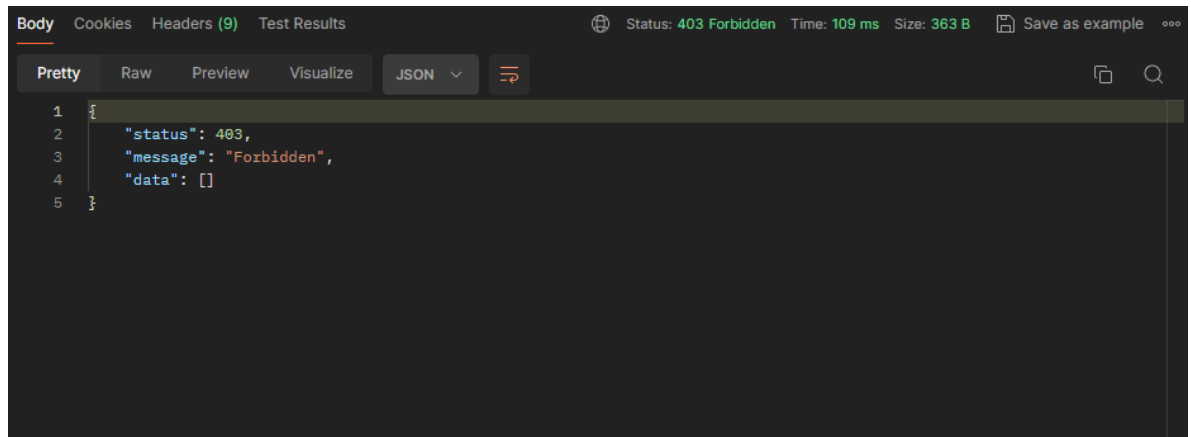
1  {
2    "status": 200,
3    "message": "Course List",
4    "data": [
5      {
6        "periodCode": 20241,
7        "courseCode": "FYB0302",
8        "courseName": "QUÍMICA ORGÁNICA I",
9        "groupCode": "N2",
10       "courseCycle": 3,
11       "semester": "4",
12       "state": "M"
13     },
14     {
15       "periodCode": 20241,
16       "courseCode": "FYB0401",
17       "courseName": "FISICOQUÍMICA I",
18       "groupCode": "N1",
19       "courseCycle": 4,
20       "semester": "4",
21       "state": "M"
22     },
23     {
24       "periodCode": 20241,
25       "courseCode": "FYB0403",
26       "courseName": "QUÍMICA ANALÍTICA I",
27       "groupCode": "N3",
28       "courseCycle": 4,
29       "semester": "4",
30       "state": "R"
31     },
32     {
33       "periodCode": 20241,
34       "courseCode": "FYB0506",
35       "courseName": "PARASITOLOGÍA",
36       "groupCode": "N1",
37       "courseCycle": 5,
38       "semester": "4",
39       "state": "M"
40     }
41   ]
42 }

```

- **Response 404:** The reason for this status is that the information has not been found according to the given parameters.



- **Response 403:** The reason for this status is because you are authenticated but do not have permission to view this API.



- **Response 422:** The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

POST `{{uma-service-base-url-prod}}grupoa/enrollment-uma` Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Beautify

```
1 {
2   "code" : "2020316666",
3   "period" : "20241266666666"
4 }
```

Body Cookies Headers (8) Test Results Status: 422 Unprocessable Content Time: 233 ms Size: 468 B Save as example

Pretty Raw Preview Visualize JSON ↔

```
1 {
2   "status": 422,
3   "message": "Unprocessable Content",
4   "data": {
5     "errors": {
6       "code": [
7         "The code must not be greater than 9 characters."
8       ],
9       "period": [
10        "The period must not be greater than 6 characters."
11      ]
12     }
13   }
14 }
```

2.5 grupoa/course-schedules(POST)

POST `{{uma-service-base-url}}grupoa/course-schedules` Send

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL JSON Beautify

```
1 {
2   "code" : "202031",
3   "period" : "20241"
4 }
```

- **Response 200:**

```

Body Cookies Headers (8) Test Results
Status: 200 OK Time: 2.05 s Size: 2.13 KB Save as example

Pretty Raw Preview Visualize JSON

1 {
2   "status": 200,
3   "message": "Course Shedules List",
4   "data": [
5     {
6       "periodCode": 20241,
7       "courseCode": "FYB0401",
8       "courseName": "FISICOQUÍMICA I",
9       "groupCode": "N1",
10      "teacherName": "ESCUDERO ECHEVARRIA WILELMINA",
11      "day": "MARTES",
12      "hour": "18:50 20:30",
13      "modality": "LABORATORIO PRESENCIAL",
14      "planCode": 2023
15    },
16    {
17      "periodCode": 20241,
18      "courseCode": "FYB0401",
19      "courseName": "FISICOQUÍMICA I",
20      "groupCode": "N1",
21      "teacherName": "ESCUDERO ECHEVARRIA WILELMINA",
22      "day": "VIERNES",
23      "hour": "17:10 18:50",
24      "modality": "VIRTUAL",
25      "planCode": 2023
26    },
27    {
28      "periodCode": 20241,
29      "courseCode": "FYB0506",
30      "courseName": "PARASITOLOGÍA",
31      "groupCode": "N1",
32      "teacherName": "RAMIREZ HEREDIA ROSA CANDELARIA",
33      "day": "VIERNES",
34      "hour": "18:50 20:30",
35      "modality": "LABORATORIO PRESENCIAL",
36      "planCode": 2023
37    },
38    {
39      "periodCode": 20241,
40      "courseCode": "FYB0506",
41      "courseName": "PARASITOLOGÍA",
42      "groupCode": "N1",
43      "teacherName": "RAMIREZ HEREDIA ROSA CANDELARIA",
44      "day": "MIERCOLES",
45      "hour": "17:10 18:50",
46      "modality": "VIRTUAL",
47      "planCode": 2023
48    },
49    {
50      "periodCode": 20241,
51      "courseCode": "FYB0403",
52      "courseName": "QUÍMICA ANALÍTICA I",
53      "groupCode": "N3",
54      "teacherName": "GIRALDO BARDALAMA LEONARDO JESUS",
55      "day": "LUNES",
56      "hour": "17:10 18:50",
57      "modality": "LABORATORIO PRESENCIAL",
58      "planCode": 2023
59    },
60    {

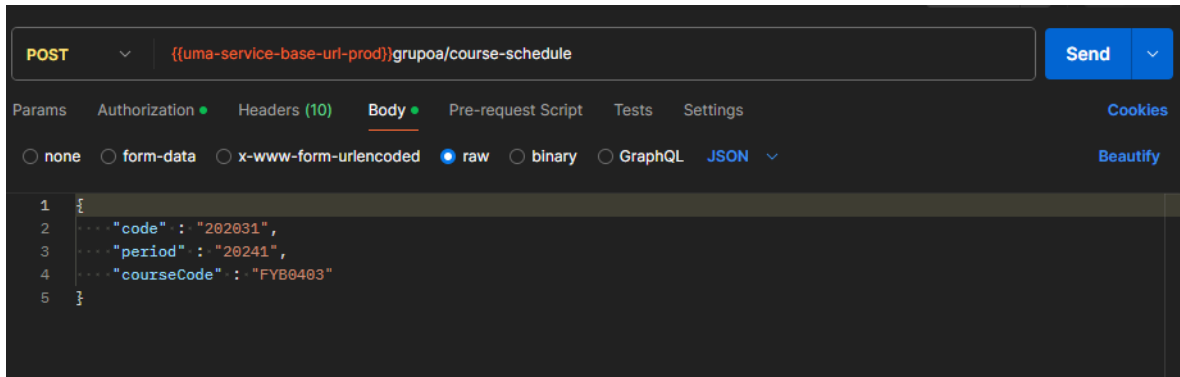
```

```
61     "periodCode": 20241,  
62     "courseCode": "FYB0403",  
63     "courseName": "QUÍMICA ANALÍTICA I",  
64     "groupCode": "N3",  
65     "teacherName": "GIRALDO BARDALAMA LEONARDO JESUS",  
66     "day": "MIERCOLES",  
67     "hour": "21:30 23:10",  
68     "modality": "VIRTUAL",  
69     "planCode": 2023  
70   },  
71   {  
72     "periodCode": 20241,  
73     "courseCode": "FYB0302",  
74     "courseName": "QUÍMICA ORGÁNICA I",  
75     "groupCode": "N2",  
76     "teacherName": "LA SERNA LA ROSA PABLO ANTONIO",  
77     "day": "MARTES",  
78     "hour": "17:10 18:50",  
79     "modality": "TEORIA PRESENCIAL",  
80     "planCode": 2023
```

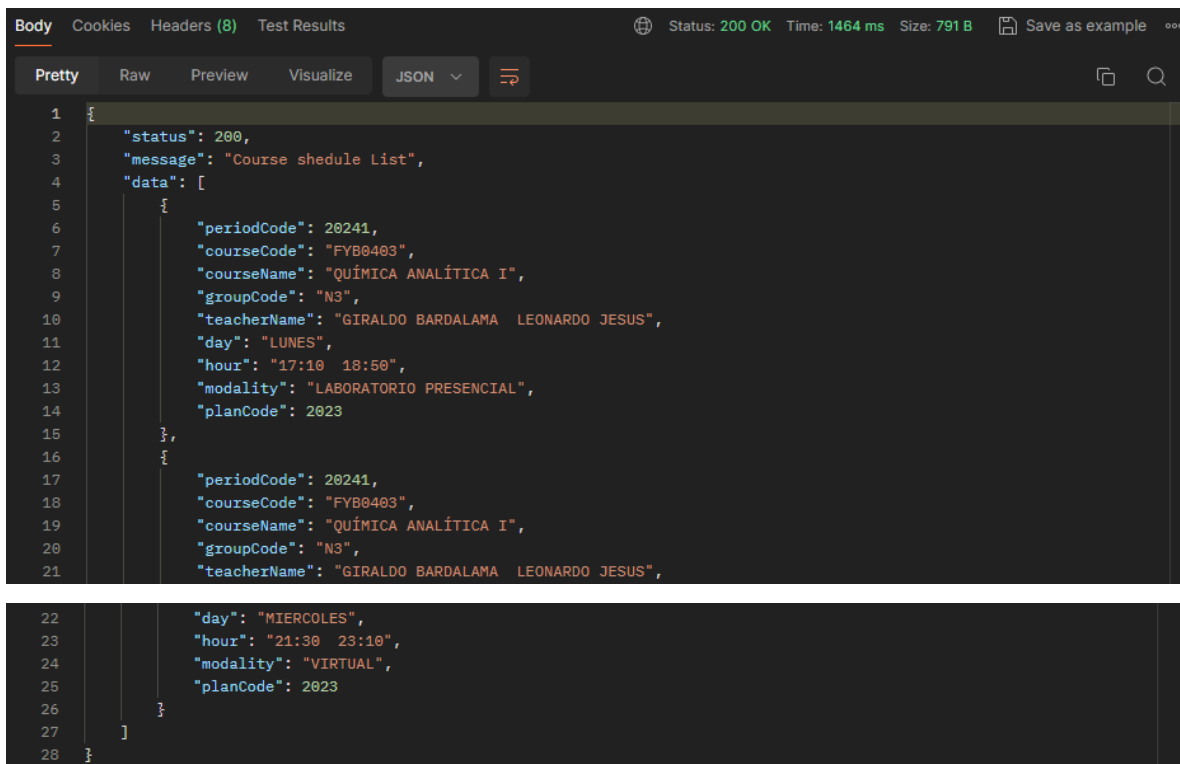
```
81   },  
82   {  
83     "periodCode": 20241,  
84     "courseCode": "FYB0302",  
85     "courseName": "QUÍMICA ORGÁNICA I",  
86     "groupCode": "N2",  
87     "teacherName": "LA SERNA LA ROSA PABLO ANTONIO",  
88     "day": "LUNES",  
89     "hour": "18:50 20:30",  
90     "modality": "LABORATORIO PRESENCIAL",  
91     "planCode": 2023  
92   }  
93 ]  
94 }
```

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.6 grupoa/course-schedule (POST)



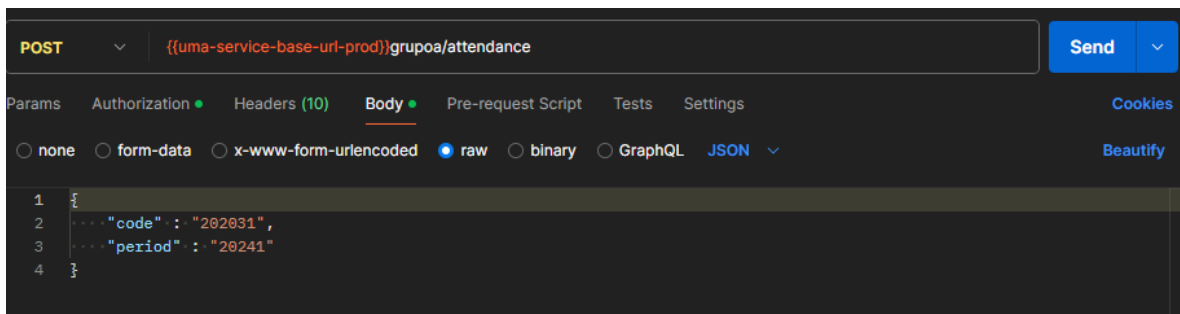
- Response 200:



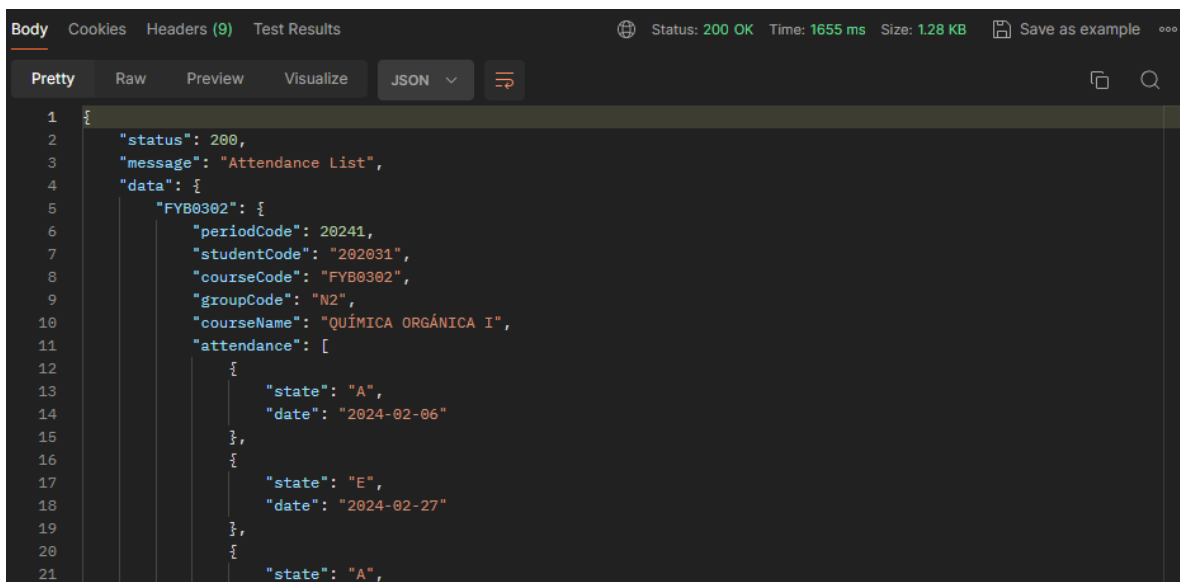
- Response 404: The reason for this status is that the information has not been found according to the given parameters.

- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.7 grupoa/attendance (POST)



- Response 200:



```
22         "date": "2024-03-26"  
23     }  
24 ]  
25 },  
26 "FYB0506": {  
27     "periodCode": 20241,  
28     "studentCode": "202031",  
29     "courseCode": "FYB0506",  
30     "groupCode": "N1",  
31     "courseName": "PARASITOLOGÍA",  
32     "attendance": [  
33         {  
34             "state": "A",  
35             "date": "2024-02-07"  
36         },  
37         {  
38             "state": "A",  
39             "date": "2024-02-14"  
40         },  
41         {
```

```
42             "state": "A",  
43             "date": "2024-02-28"  
44         },  
45         {  
46             "state": "A",  
47             "date": "2024-03-06"  
48         },  
49         {  
50             "state": "A",  
51             "date": "2024-03-13"  
52         },  
53         {  
54             "state": "A",  
55             "date": "2024-03-20"  
56         },  
57         {  
58             "state": "A",  
59             "date": "2024-04-03"  
60         },  
61     ]  
62 }
```

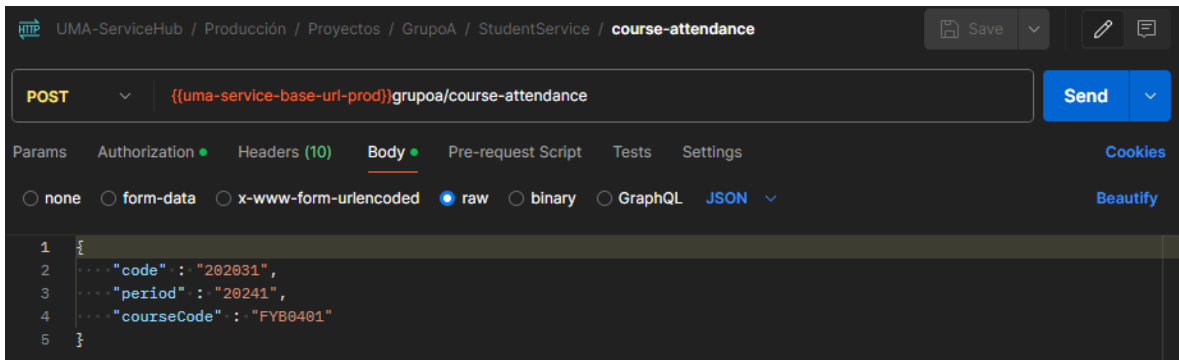
```

61     {
62         "state": "A",
63         "date": "2024-04-10"
64     },
65     {
66         "state": "A",
67         "date": "2024-04-17"
68     }
69 ]
70 },
71 "FYB0401": {
72     "periodCode": "20241",
73     "studentCode": "202031",
74     "courseCode": "FYB0401",
75     "groupCode": "N1",
76     "courseName": "FISICOQUÍMICA I",
77     "attendance": [
78         {
79             "state": "A",
80             "date": "2024-03-15"
81         },
82         {
83             "state": "E",
84             "date": "2024-04-12"
85         },
86         {
87             "state": "A",
88             "date": "2024-04-19"
89         }
90     ]
91 }
92 }
93 }

```

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.8 grupoa/course-attendance (POST)



UMA-ServiceHub / Producción / Proyectos / GrupoA / StudentService / **course-attendance**

POST `{{uma-service-base-url-prod}}grupoa/course-attendance` **Send**

Params Authorization Headers (10) **Body** Pre-request Script Tests Settings Cookies

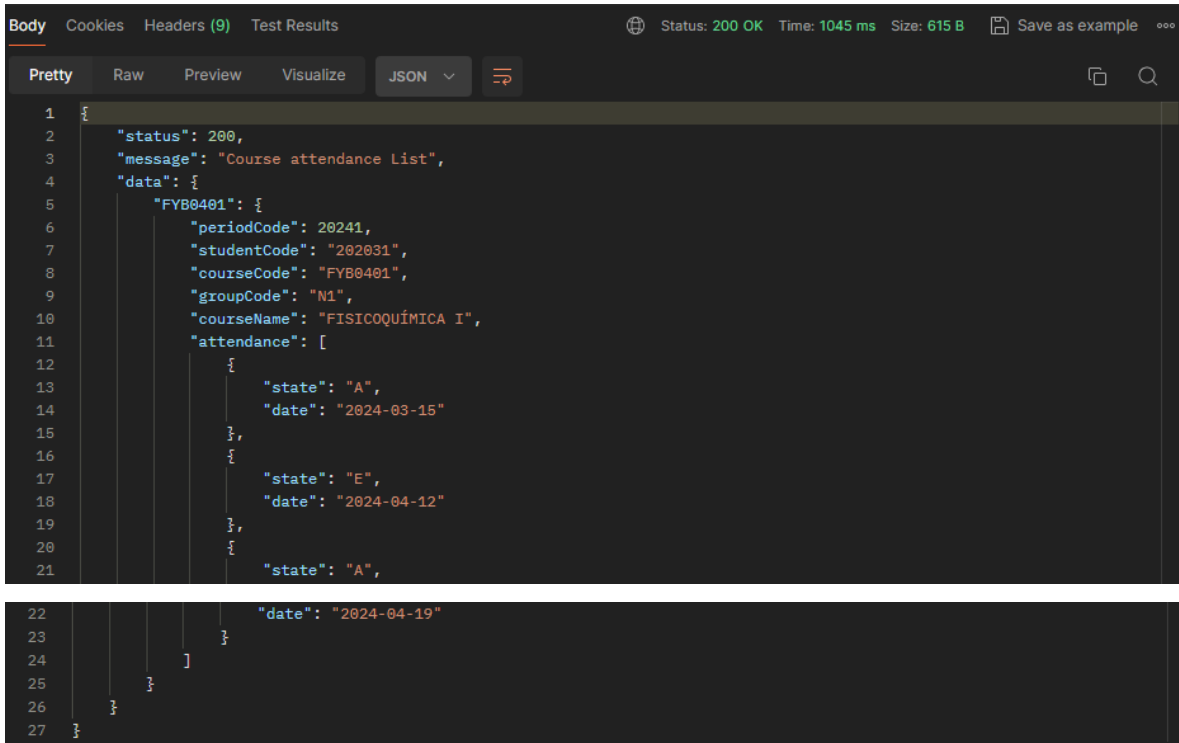
☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** Beautify

```

1 {
2   "code": "202031",
3   "period": "20241",
4   "courseCode": "FYB0401"
5 }

```

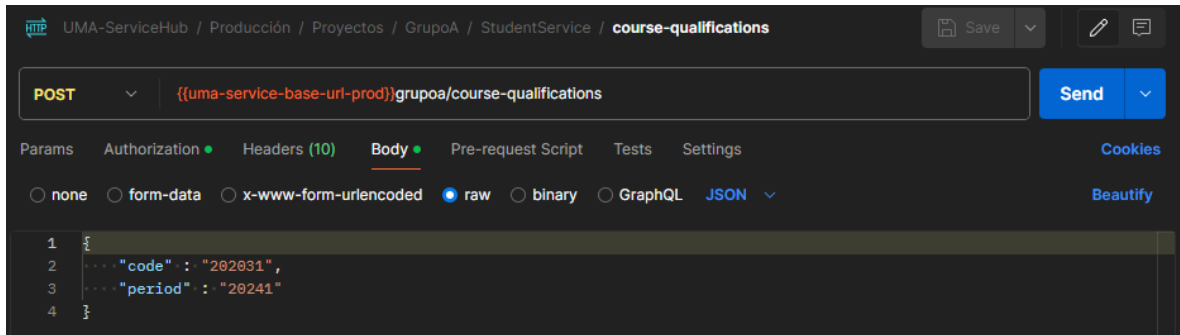
- Response 200:



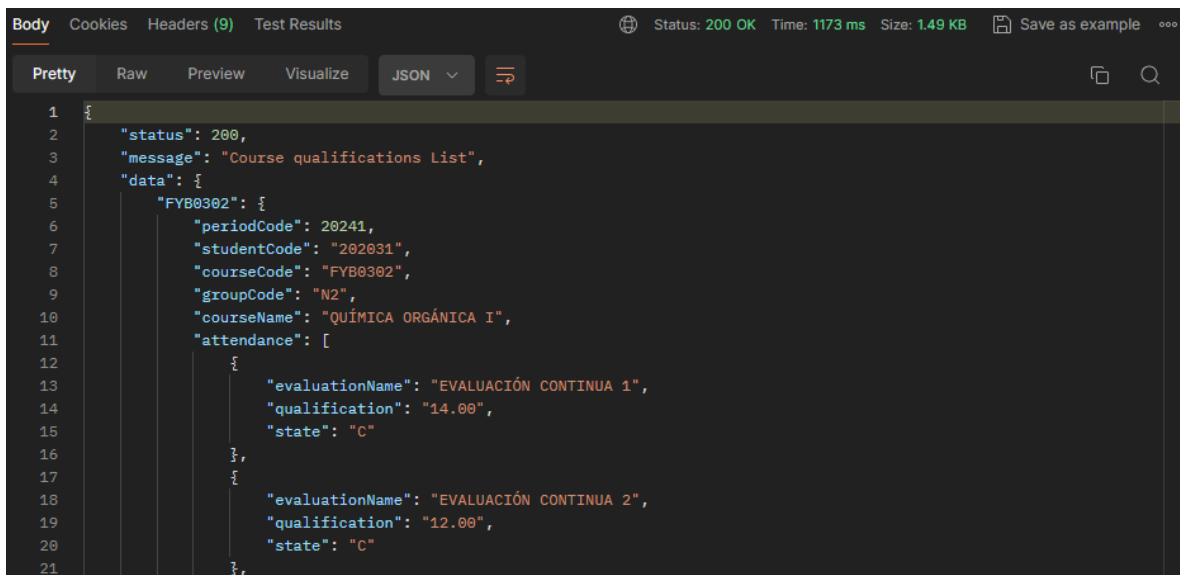
```
1 {
2   "status": 200,
3   "message": "Course attendance List",
4   "data": {
5     "FYB0401": {
6       "periodCode": 20241,
7       "studentCode": "202031",
8       "courseCode": "FYB0401",
9       "groupCode": "N1",
10      "courseName": "FISICOQUÍMICA I",
11      "attendance": [
12        {
13          "state": "A",
14          "date": "2024-03-15"
15        },
16        {
17          "state": "E",
18          "date": "2024-04-12"
19        },
20        {
21          "state": "A",
22          "date": "2024-04-19"
23        }
24      ]
25    }
26  }
27 }
```

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.9 grupoa/course-qualifications (POST)



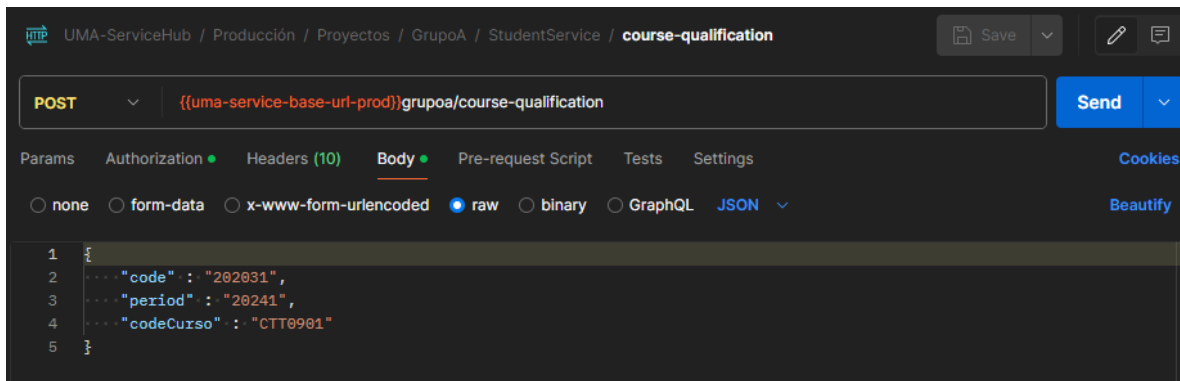
- Response 200:



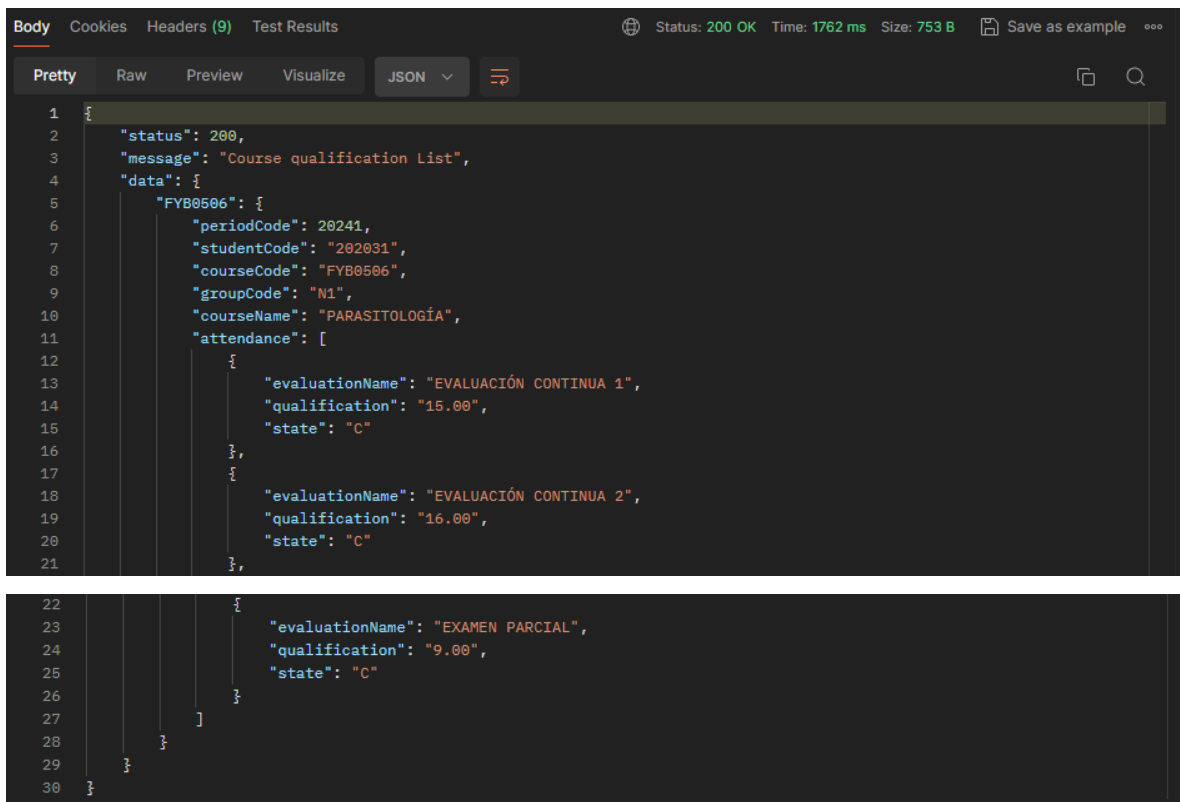
```
42     "evaluationName": "EVALUACIÓN CONTINUA 2",
43     "qualification": "10.00",
44     "state": "C"
45   },
46   {
47     "evaluationName": "EXAMEN PARCIAL",
48     "qualification": "12.00",
49     "state": "C"
50   }
51 ]
52 },
53 "FYB0506": {
54   "periodCode": 20241,
55   "studentCode": "202031",
56   "courseCode": "FYB0506",
57   "groupCode": "N1",
58   "courseName": "PARASITOLOGÍA",
59   "attendance": [
60     {
61       "evaluationName": "EVALUACIÓN CONTINUA 1",
62       "qualification": "15.00",
63       "state": "C"
64     },
65     {
66       "evaluationName": "EVALUACIÓN CONTINUA 2",
67       "qualification": "16.00",
68       "state": "C"
69     },
70     {
71       "evaluationName": "EXAMEN PARCIAL",
72       "qualification": "9.00",
73       "state": "C"
74     }
75   ]
76 }
77 }
78 }
```

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.10 grupoa/course-qualification (POST)



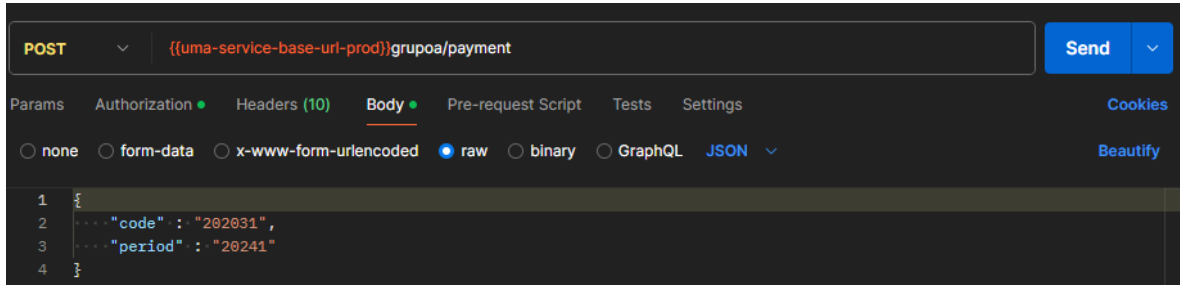
- Response 200:



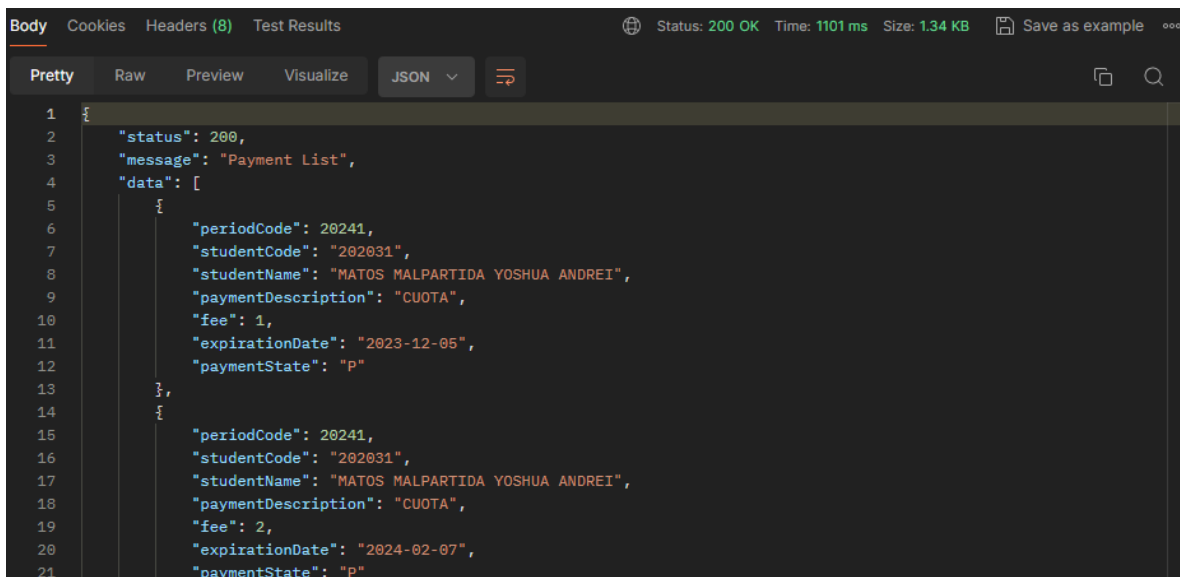
- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.

- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.11 grupoa/payment (POST)



- Response 200:




```

22   },
23   {
24     "periodCode": 20241,
25     "studentCode": "202031",
26     "studentName": "MATOS MALPARTIDA YOSHUA ANDREI",
27     "paymentDescription": "CUOTA",
28     "fee": 3,
29     "expirationDate": "2024-03-04",
30     "paymentState": "P"
31   },
32   {
33     "periodCode": 20241,
34     "studentCode": "202031",
35     "studentName": "MATOS MALPARTIDA YOSHUA ANDREI",
36     "paymentDescription": "CUOTA",
37     "fee": 4,
38     "expirationDate": "2024-04-03",
39     "paymentState": "P"
40   },
41   }

```

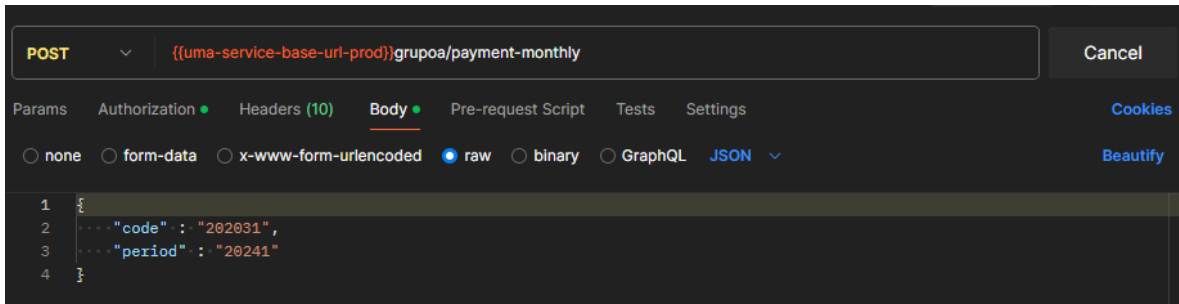
```

42     "periodCode": 20241,
43     "studentCode": "202031",
44     "studentName": "MATOS MALPARTIDA YOSHUA ANDREI",
45     "paymentDescription": "CUOTA",
46     "fee": 5,
47     "expirationDate": "2024-05-04",
48     "paymentState": "P"
49   },
50   {
51     "periodCode": 20241,
52     "studentCode": "202031",
53     "studentName": "MATOS MALPARTIDA YOSHUA ANDREI",
54     "paymentDescription": "MATRICULA REGULAR",
55     "fee": null,
56     "expirationDate": null,
57     "paymentState": "P"
58   }
59 ]
60 }

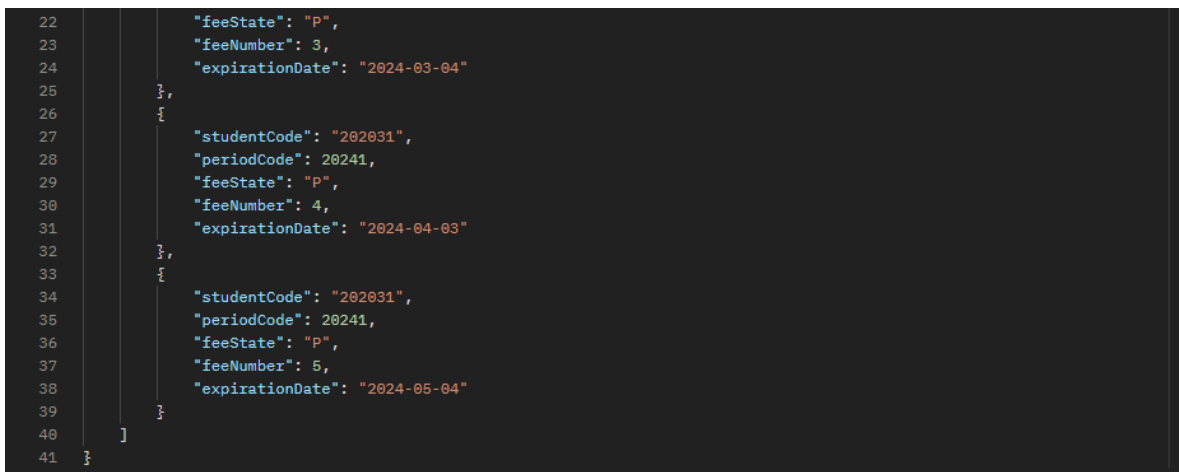
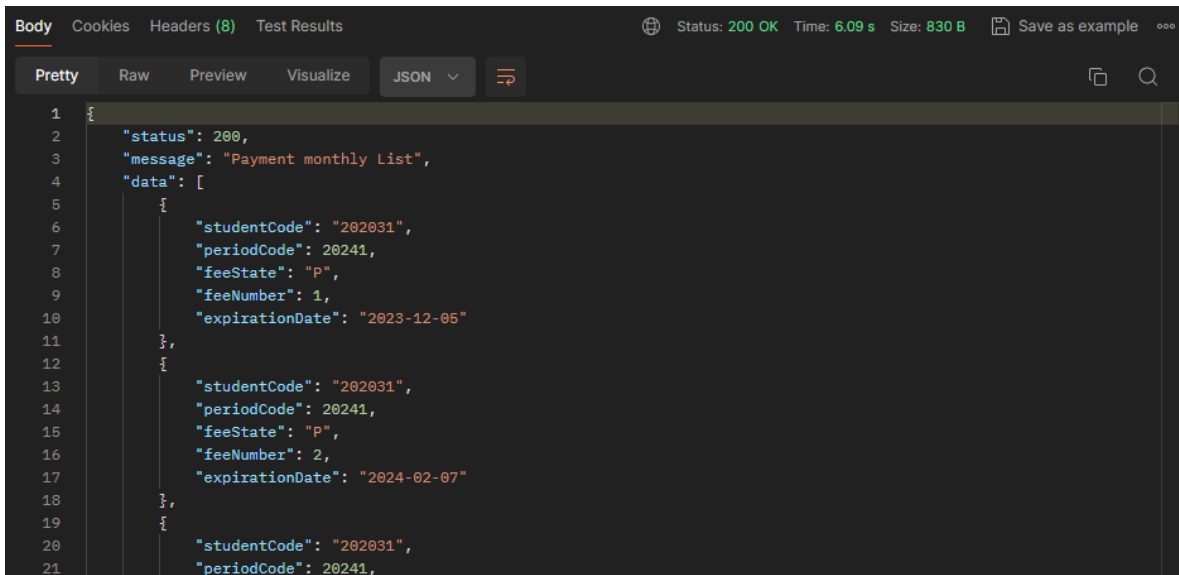
```

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.12 grupoa/payment-monthly (POST)

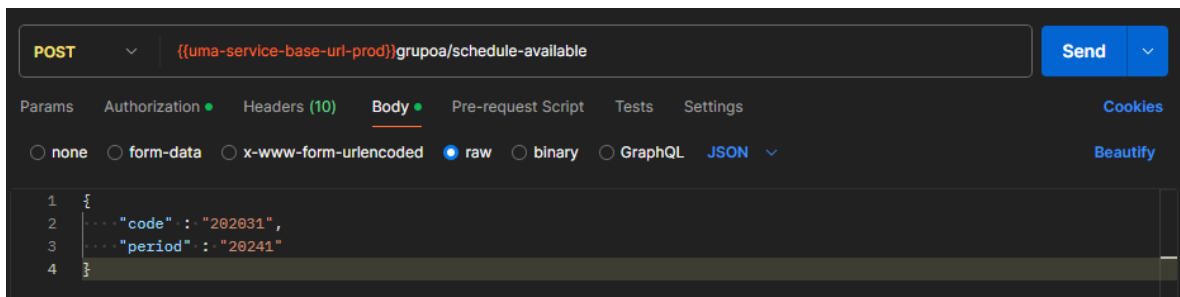


- Response 200:

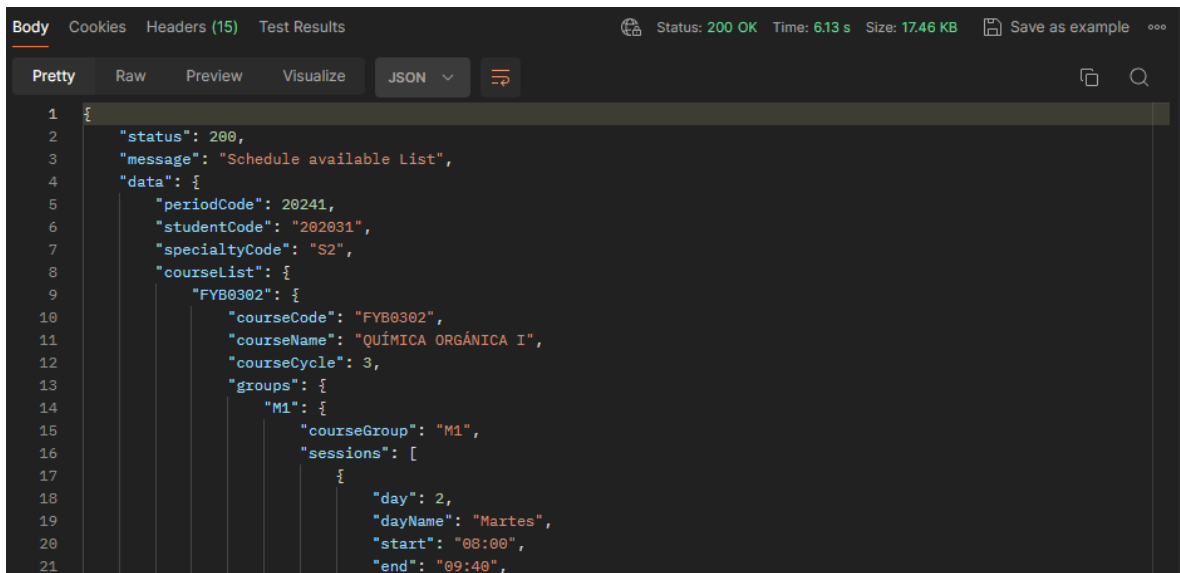


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2.13 grupoa/schedule-available (POST)



- Response 200:



```
22         "modality": "TEP"
23     },
24     {
25         "day": 2,
26         "dayName": "Martes",
27         "start": "09:50",
28         "end": "11:30",
29         "modality": "LBP"
30     }
31 ]
32 },
33 "M2": {
34     "courseGroup": "M2",
35     "sessions": [
36         {
37             "day": 2,
38             "dayName": "Martes",
39             "start": "08:00",
40             "end": "09:40",
41             "modality": "TEP"
```

```
42         },
43         {
44             "day": 2,
45             "dayName": "Martes",
46             "start": "11:40",
47             "end": "13:20",
48             "modality": "LBP"
49         }
50     ]
51 },
52 "M3": {
53     "courseGroup": "M3",
54     "sessions": [
55         {
56             "day": 2,
57             "dayName": "Martes",
58             "start": "08:00",
59             "end": "09:40",
60             "modality": "LBP"
```

```
61         },
62         {
63             "day": 2,
64             "dayName": "Martes",
65             "start": "09:50",
66             "end": "11:30",
67             "modality": "TEP"
68         }
69     ]
70 },
71 "M4": {
72     "courseGroup": "M4",
73     "sessions": [
74         {
75             "day": 2,
76             "dayName": "Martes",
77             "start": "09:50",
78             "end": "11:30",
79             "modality": "TEP"
80         },
```



```
81         {
82             "day": 2,
83             "dayName": "Martes",
84             "start": "14:10",
85             "end": "15:50",
86             "modality": "LBP"
87         }
88     ]
89 },
90     "N1": {
91         "courseGroup": "N1",
92         "sessions": [
93             {
94                 "day": 1,
95                 "dayName": "Lunes",
96                 "start": "17:10",
97                 "end": "18:50",
98                 "modality": "LBP"
99             },
100         ]
101     },
102     "N2": {
103         "courseGroup": "N2",
104         "sessions": [
105             {
106                 "day": 2,
107                 "dayName": "Martes",
108                 "start": "17:10",
109                 "end": "18:50",
110                 "modality": "TEP"
111             },
112         ]
113     },
114     "N3": {
115         "courseGroup": "N3",
116         "sessions": [
117             {
118                 "day": 1,
119                 "dayName": "Lunes",
120                 "start": "18:50",
121                 "end": "20:30",
122                 "modality": "LBP"
123             },
124             {
125                 "day": 2,
126                 "dayName": "Martes",
127                 "start": "18:50",
128                 "end": "20:30",
129                 "modality": "TEP"
130             },
131         ]
132     },
133     {
134         "day": 2,
```

```

140         "dayName": "Martes",
141         "start": "20:30",
142         "end": "22:10",
143         "modality": "LBP"
144     }
145 ]
146 },
147 "N4": {
148     "courseGroup": "N4",
149     "sessions": [
150         {
151             "day": 2,
152             "dayName": "Martes",
153             "start": "18:50",
154             "end": "20:30",
155             "modality": "TEP"
156         },
157         {
158             "day": 1,
159             "dayName": "Lunes",

```

```

160             "start": "20:30",
161             "end": "22:10",
162             "modality": "LBP"
163         }
164     ]
165 },
166 "N5": {
167     "courseGroup": "N5",
168     "sessions": [
169         {
170             "day": 2,
171             "dayName": "Martes",
172             "start": "20:30",
173             "end": "22:10",
174             "modality": "TEP"
175         },
176         {
177             "day": 2,
178             "dayName": "Martes",
179             "start": "17:10",

```

```

179             "start": "17:10",
180             "end": "18:50",
181             "modality": "LBP"
182         }
183     ]
184 },
185 "M5": {
186     "courseGroup": "M5",
187     "sessions": [
188         {
189             "day": 2,
190             "dayName": "Martes",
191             "start": "11:40",
192             "end": "12:30",
193             "modality": "TEP"
194         },
195         {
196             "day": 4,
197             "dayName": "Jueves",
198             "start": "08:00",

```



```
199         "end": "09:40",
200         "modality": "LBP"
201     }
202 ]
203 },
204 "N6": {
205     "courseGroup": "N6",
206     "sessions": [
207         {
208             "day": 2,
209             "dayName": "Martes",
210             "start": "20:30",
211             "end": "22:10",
212             "modality": "TEP"
213         },
214         {
215             "day": 2,
216             "dayName": "Martes",
217             "start": "18:50",
```

```
218             "end": "20:30",
219             "modality": "LBP"
220         }
221     ]
222 },
223 "M6": {
224     "courseGroup": "M6",
225     "sessions": [
226         {
227             "day": 2,
228             "dayName": "Martes",
229             "start": "11:40",
230             "end": "13:20",
231             "modality": "TEP"
232         },
233         {
234             "day": 4,
235             "dayName": "Jueves",
236             "start": "09:50",
```

```

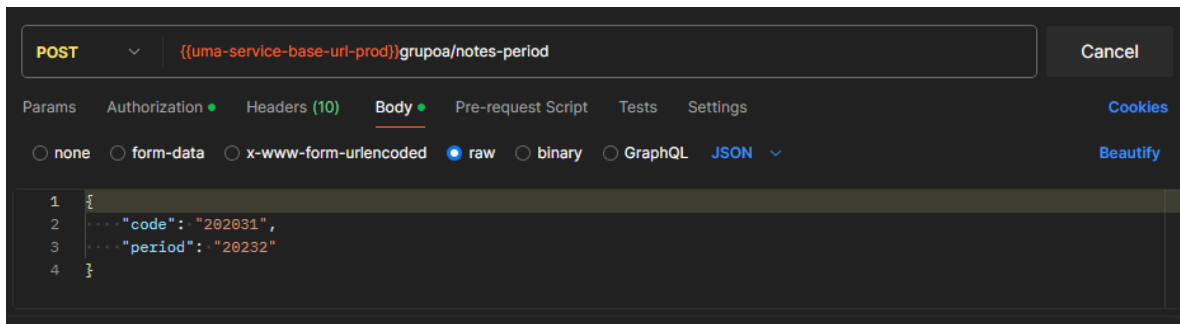
237         "end": "11:30",
238         "modality": "LBP"
239     }
240 ]
241 },
242 "N7": {
243     "courseGroup": "N7",
244     "sessions": [
245         {
246             "day": 1,
247             "dayName": "Lunes",
248             "start": "18:50",
249             "end": "20:30",
250             "modality": "LBP"
251         },
252         {
253             "day": 3,
254             "dayName": "Miércoles",
255             "start": "17:10",
256             "end": "18:50",
257             "modality": "TEP"
258         }
259     ]
260 }
261 }
262 },
263 "FYB0401": {
264     "courseCode": "FYB0401",
265     "courseName": "FISICOQUÍMICA I",
266     "courseCycle": 4,
267     "groups": {
268         "M1": {
269             "courseGroup": "M1",
270             "sessions": [
271                 {
272                     "day": 1,
273                     "dayName": "Lunes",
274                     "start": "08:00",
275                     "end": "09:40",
276
1669         "T3": {
1670             "courseGroup": "T3",
1671             "sessions": [
1672                 {
1673                     "day": 1,
1674                     "dayName": "Lunes",
1675                     "start": "17:10",
1676                     "end": "18:25",
1677                     "modality": "VIR"
1678                 }
1679             ]
1680         }
1681     }
1682 }
1683 }
1684 }
1685 }

```

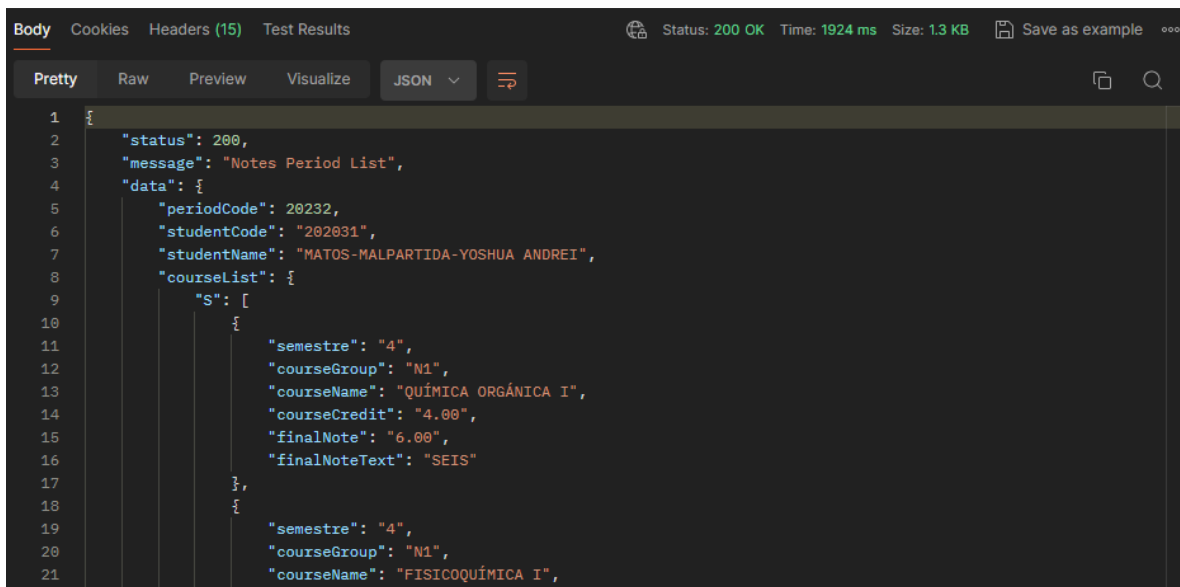
- Response 404: The reason for this status is that the information has not been found according to the given parameters.

- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.14 grupoa/notes-period (POST)



- Response 200:



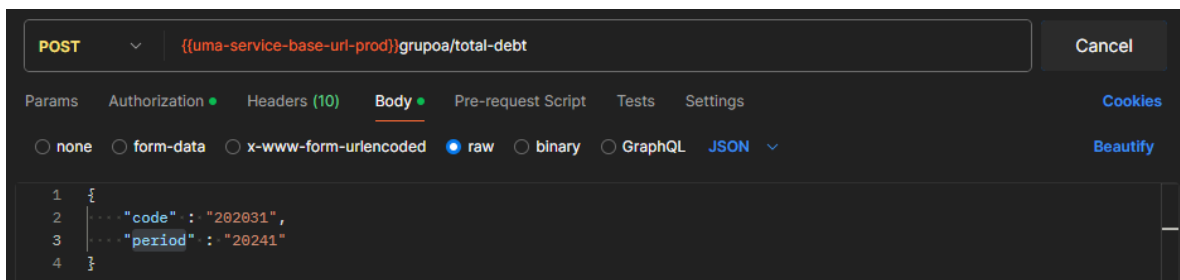
```

22     "courseCredit": "3.00",
23     "finalNote": "7.00",
24     "finalNoteText": "SIETE"
25   },
26   {
27     "semestre": "4",
28     "courseGroup": "N1",
29     "courseName": "QUÍMICA ANALÍTICA I",
30     "courseCredit": "4.00",
31     "finalNote": "8.00",
32     "finalNoteText": "OCHO"
33   },
34   {
35     "semestre": "4",
36     "courseGroup": "N3",
37     "courseName": "PARASITOLOGÍA",
38     "courseCredit": "3.00",
39     "finalNote": "10.00",
40     "finalNoteText": "DIEZ"
41   },
42   {
43     "semestre": "4",
44     "courseGroup": "N3",
45     "courseName": "FARMACOBOTÁNICA",
46     "courseCredit": "3.00",
47     "finalNote": "12.00",
48     "finalNoteText": "DOCE"
49   }
50 ]
51 }
52 }
53 }

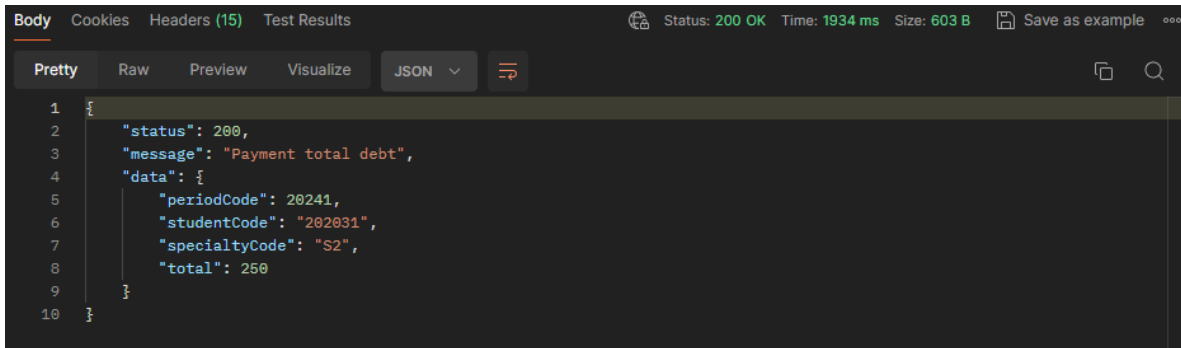
```

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.

2.15 grupoa/payment-monthly (POST)



- Response 200:



The screenshot shows a web browser's developer console with the 'Body' tab selected. The response is a JSON object with the following structure:

```
1 {
2   "status": 200,
3   "message": "Payment total debt",
4   "data": {
5     "periodCode": 20241,
6     "studentCode": "202031",
7     "specialtyCode": "S2",
8     "total": 250
9   }
10 }
```

The console also displays the status '200 OK', time '1934 ms', and size '603 B'. There are buttons for 'Pretty', 'Raw', 'Preview', 'Visualize', and 'JSON' at the top of the response area.

- Response 404: The reason for this status is that the information has not been found according to the given parameters.
- Response 403: The reason for this status is because you are authenticated but do not have permission to view this API.
- Response 422: The reason for this status is because the content of the parameters is inconsistent. It shows an array of errors detailing why the validation failed.