

Weekly Schedule Embed

Technical Integration Guide - embed live university timetables in your web and mobile applications with a single secure URL.

DOCUMENT	VERSION	DATE	AUDIENCE
Integration Guide	1.0	August 2026	Third-party developers and integration partners

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1. Introduction

The **Weekly Schedule Embed** service lets your system display official university weekly timetables directly inside your own web pages and mobile applications. You place a single URL inside an `<iframe>`; the CORE platform renders a complete, always-up-to-date, view-only schedule page for the study program, stage, and division you choose.

What you get

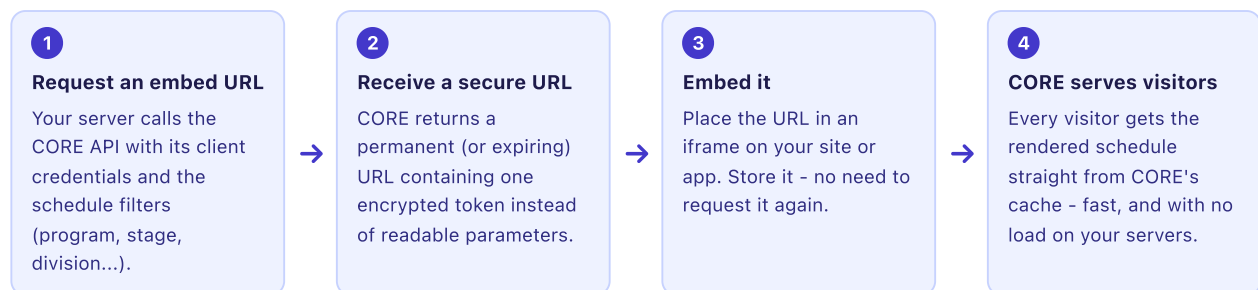
- **Zero UI work** - the timetable is fully rendered and styled by CORE: university and college names, stage, division, colored course cards, teachers, halls, and groups.
- **Works everywhere** - one URL adapts automatically from desktop grid to mobile layout. Suitable for portals, student apps (WebView), and information screens.
- **Arabic and English** - request the same schedule in either language.
- **Secure by design** - the URL is an opaque encrypted token. It exposes no data, cannot be modified, cannot be forged, and can optionally expire.
- **View-only** - visitors can never change anything through this page.

Typical use cases

- University or college portals showing each department's timetables.
- Student mobile applications (rendered inside a WebView).
- Corridor / lobby information displays.
- Learning platforms that need the official timetable next to their own content.

2. How It Works

Integration is a two-step process. Step 1 happens once on your server; step 2 is just HTML.



Why the URL looks like random text

The embed URL carries a single parameter `t` - an encrypted, integrity-protected token that packs all your chosen filters and the optional expiry date. This means:

- Nobody can read which program, stage, or division the URL points to.
- Changing even one character of the URL makes it invalid - visitors cannot "browse" to other schedules by editing the address.
- URLs cannot be fabricated without going through the authenticated API.
- If you requested an expiry, it is enforced inside the token and cannot be stripped.

3. Getting Access

Access is granted per integration client. Before you can generate embed URLs, the CORE administrators must provision the following for you:

Requirement	Details
Client credentials	A <code>Client ID</code> (UUID) and a <code>Client Secret</code> issued by the CORE team. These identify your organization on every API call.
Permission	Your client must hold the permission: <code>integration@sis:weekly-schedule:list</code> It covers both listing weekly schedules and generating embed URLs.
Server IP allow-list	API calls are accepted only from the server IP addresses registered for your client. Send the CORE team the public IPs of every server that will call the API.

Keep your secret on the server. The Client ID and Client Secret must only ever be used in server-to-server calls. Never ship them inside a browser page or a mobile application. The embed URL itself is safe to expose publicly - that is exactly what it is designed for.

Environments

Environment	Base URL
Production	<code>https://core.mohesr.gov.iq</code>

Requesting access: contact the UMS CORE integration team with your organization name, the systems that will embed schedules, and your server IP addresses. You will receive credentials and the permission grant.

4. API Reference - Generating an Embed URL

Endpoint

```
GET /api/v1/integration/sis/weekly-schedule/embed-url
```

Required headers

Header	Value
X-Client-ID	Your client identifier
X-Client-Secret	Your client secret
X-Language (optional)	ar or en - language of API response messages

Query parameters

Parameter	Type	Required	Description
study_program_id	integer	yes	The study program whose schedule will be displayed
grade_id	integer	no	Grade term (stage) identifier
division_id	integer	no	Division. If omitted, each lecture card also displays its division
study_year_id	integer	no	Academic year identifier
academic_year_division_id	integer	no	Semester identifier
study_type	integer	no	1 = Morning, 2 = Evening
lang	string	no	Page language: ar (default) or en
expires_in_days	integer	no	1-365. If omitted the URL does not expire

Where do the IDs come from? Program, stage, division, year, and semester identifiers are available from the existing CORE integration listing endpoints (study programs, stages, semesters, study years) that your client permission already covers, or from the CORE team.

Example request

```
curl -X GET \
  "https://core.mohesr.gov.iq/api/v1/integration/sis/weekly-schedule/embed-url?study_program_id=2474&grade_id=31825&division_id=2055&study_year_id=125&academic_year_division_id=7&study_type=1&lang=ar" \
  -H "X-Client-ID: your-client-id" \
  -H "X-Client-Secret: your-client-secret"
```

Example response

```
{
  "status": "success",
  "request_trace_id": "67f700bc-801f-4883-8640-7a261f93f268",
  "message": "Weekly schedule embed URL generated successfully.",
  "payload": {
    "embed_url": "https://core.mohe.sr.gov.iq/embed/weekly-schedule?t=eyJpd iI6 lBhWnFsSXR s...",
    "expires_at": null,
    "filters": {
      "study_program_id": 2474,
      "grade_id": 31825,
      "division_id": 2055,
      "study_year_id": 125,
      "academic_year_division_id": 7,
      "study_type": 1,
      "lang": "ar"
    }
  }
}
```

`expires_at` is `null` for permanent URLs, or an ISO-8601 timestamp when you passed `expires_in_days`. The `filters` object echoes back exactly what was encoded, so you can store it alongside the URL.

Error responses

Errors use the standard envelope: `{ "status": "error", "request_trace_id": "...", "message": "...", "payload": null }`

HTTP	When	What to do
401	Missing or invalid credentials, inactive client, or missing permission	Verify headers and ask the CORE team to confirm your permission grant
403	Calling IP not on your allow-list	Register the server IP with the CORE team
422	Validation error (e.g. missing <code>study_program_id</code> , <code>study_type</code> not 1 or 2)	Fix the parameters; details are in <code>payload</code>
429	Too many requests	Retry later; generation should be rare (see best practices)
500	Unexpected server error	Retry; contact support with the <code>request_trace_id</code>

5. Embedding the Schedule

Basic embedding

```
<iframe
  src="embed_url from the API response"
  style="width: 100%; height: 900px; border: 0;"
  loading="lazy"
  title="Weekly Schedule">
</iframe>
```

Sizing recommendations

Context	Recommendation
Desktop pages	Full available width, height 850-1000 px. The page scrolls internally when a schedule is long
Mobile / WebView	Full screen width. The page switches automatically to a stacked mobile layout below 768 px
Info screens	1280 px wide or more; the grid is designed for wall displays as well

Best practices

- **Generate once, store, reuse.** The URL is stable - persist it in your database and serve it to all your users. Do not call the generation API on every page view.
- **One URL per language.** Request an `ar` and an `en` URL if your interface is bilingual, and switch the iframe source with your language toggle.
- **Regenerate only when** the filters change (new academic year, different division), a URL expired, or CORE announces a platform key rotation.
- **Expiring URLs** (`expires_in_days`) are recommended when schedules are shown to a limited audience for a limited period; permanent URLs are fine for public portal pages.
- **Do not proxy the page** through your own servers - link the iframe directly to CORE so caching and updates work as designed.

No load on your side: visitors' browsers talk directly to CORE. The page is served from a high-speed cache, so even thousands of simultaneous students place almost no load anywhere.

6. Feature Tour

6.1 Desktop grid - Arabic (default)

The full weekly grid: days run Saturday to Thursday right-to-left (Friday appears automatically only if lectures exist on it), the time column shows 30-minute periods, and each course gets its own color everywhere it appears.

Aug 2026 09 تاريخ الإنشاء

جامعة الكفيل - طب الأسنان
الجدول الأسبوعي
البرنامج الدراسي: بكالوريوس طب وجراحة الفم والأسنان

الفصل الدراسي	المرحلة / الفصل	النسبة	نوع الدراسة	النظام الدراسي	الفصل الدراسي
سنة دراسية	المرحلة الأولى	المرحلة الأولى	صاحي	نظام سنوي	سنة دراسية

■ تشريح عام ■ الحاسوب ■ علم الأحياء ■ الفيزياء الطبية ■ الكيمياء الطبية ■ تشريح الأسنان ■ حقوق الإنسان ■ المصطلحات الطبية

الوقت	الاحد	الاثنين	الثلاثاء	الأربعاء	الخميس
8:30 AM - 9:00 AM	DNK1-PH الفيزياء الطبية صالح جسون عبود س مختبر الفيزياء الطبية A: الكروب 8:30 AM - 10:30 AM	DNK1-HA تشريح عام حيدر صاحب مهدي جسون مختبر التشريح العام A: الكروب 8:30 AM - 10:30 AM	DNK1-CG الحاسوب علي إراد كظم عبادي مختبر الحاسوب A: الكروب 8:30 AM - 10:30 AM	DNK1-DA تشريح الأسنان علي فلاح حسن عبدالعاس مختبر تشريح الأسنان A: الكروب 8:30 AM - 10:30 AM	
9:00 AM - 9:30 AM	DNK1-HA تشريح عام حيدر صاحب مهدي جسون مختبر التشريح العام A: الكروب 8:30 AM - 10:30 AM	DNK1-CG الحاسوب علي إراد كظم عبادي مختبر الحاسوب B: الكروب 8:30 AM - 10:30 AM	DNK1-PH الفيزياء الطبية صالح جسون عبود س مختبر الفيزياء الطبية C: الكروب 8:30 AM - 10:30 AM		
9:30 AM - 10:00 AM	DNK1-CG الحاسوب علي إراد كظم عبادي مختبر الحاسوب C: الكروب 8:30 AM - 10:30 AM	DNK1-BI علم الأحياء حسن علي كظم مطلب مختبر الأحياء الطبية A: الكروب 8:30 AM - 10:30 AM		DNK1-BI علم الأحياء حسن علي كظم مطلب مختبر الأحياء الطبية B: الكروب 8:30 AM - 10:30 AM	
10:00 AM - 10:30 AM	DNK1-HA تشريح عام حيدر صاحب مهدي جسون مختبر التشريح العام B: الكروب 10:30 AM - 12:30 PM	DNK1-CH الكيمياء الطبية شاكر عبدالرضا عباس حاتم مختبر الكيمياء الطبية B: الكروب 8:30 AM - 10:30 AM			
10:30 AM - 11:00 AM	DNK1-CH الكيمياء الطبية شاكر عبدالرضا عباس حاتم مختبر الكيمياء الطبية A: الكروب 10:30 AM - 12:30 PM				
11:00 AM - 11:30 AM	DNK1-DA تشريح الأسنان علي فلاح حسن عبدالعاس مختبر تشريح الأسنان B: الكروب 11:30 AM - 1:30 PM	DNK1-BI علم الأحياء حسن علي كظم مطلب مختبر الأحياء الطبية B: الكروب 10:30 AM - 12:30 PM	DNK1-DA تشريح الأسنان علي فلاح حسن عبدالعاس مختبر تشريح الأسنان C: الكروب 10:30 AM - 12:30 PM		
11:30 AM - 12:00 PM	DNK1-PH الفيزياء الطبية صالح جسون عبود س مختبر الفيزياء الطبية B: الكروب 11:30 AM - 1:30 PM	DNK1-CH الكيمياء الطبية شاكر عبدالرضا عباس حاتم مختبر الكيمياء الطبية C: الكروب 11:30 AM - 1:30 PM			
12:00 PM - 12:30 PM	DNK1-HA تشريح عام حيدر صاحب مهدي جسون مختبر التشريح العام C: الكروب 12:30 PM - 2:30 PM	DNK1-DA تشريح الأسنان علي فلاح حسن عبدالعاس مختبر تشريح الأسنان A: الكروب 12:30 PM - 2:30 PM			
12:30 PM - 1:00 PM	DNK1-PH الفيزياء الطبية صالح جسون عبود س مختبر الفيزياء الطبية A: الكروب 8:30 AM - 10:30 AM				

Arabic desktop view - institution header, filter summary bar, course color legend, and the weekly grid.

- **Institution header** - university and college names, resolved automatically from the program.
- **Summary bar** - department, stage, division, study type (morning/evening), study system, semester, and academic year.
- **Course legend** - a color key of every course in the week.
- **Lecture cards** - course code and name, teacher, hall/laboratory, group, lecture type badge, and exact time.
- **Parallel lectures** - overlapping group sessions appear side by side in the same time slot; nothing is hidden.

6.2 English version

Request the same schedule with `lang=en` and the entire page - direction, day names, labels, and stage names - switches to English. Course and teacher names fall back to Arabic automatically when no English name exists in the university's records.

جامعة الكوفة – طب الاسنان

Weekly Schedule

Study Program: Bachelor in Dentistry

Generated: 09 Aug 2026

DEPARTMENT	STAGE / TERM	DIVISION	STUDY TYPE	STUDY SYSTEM	SEMESTER
طب الاسنان	First Stage	المرحلة الاولى	Morning	Annual System	Study Year

human anatomy

Computer

Biology

Medical Physics

Medical Chemistry

Dental Anatomy

Human right

Terminology

Time	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
8:30 AM - 9:00 AM	DNK1-PH Medical Physics saleh hasson abud d Medical Physics Lab Group: B 8:30 AM - 10:30 AM	DNK1-HA human anatomy Haider Sahib Mahdi Almayali General Anatomy Lab Group: A 8:30 AM - 10:30 AM	DNK1-CO Computer Ali Ayad Khdim Abadi Computer Lab Group: A 8:30 AM - 10:30 AM		DNK1-DA Dental Anatomy Ali Falah Hassan Abdulabbas Dental Anatomy Lab Group: A 8:30 AM - 10:30 AM	
9:00 AM - 9:30 AM	DNK1-HA human anatomy Haider Sahib Mahdi Almayali General Anatomy Lab Group: A 8:30 AM - 10:30 AM	DNK1-CO Computer Ali Ayad Khdim Abadi Computer Lab Group: B 8:30 AM - 10:30 AM	DNK1-PH Medical Physics saleh hasson abud d Medical Physics Lab Group: C 8:30 AM - 10:30 AM		DNK1-BI Biology Hussein Ali Kadhim Mutlab Medical Biology Lab Group: B 8:30 AM - 10:30 AM	
9:30 AM - 10:00 AM	DNK1-CO Computer Ali Ayad Khdim Abadi Computer Lab Group: C 8:30 AM - 10:30 AM	DNK1-BI Biology Hussein Ali Kadhim Mutlab Medical Biology Lab Group: A 8:30 AM - 10:30 AM	DNK1-CH Medical Chemistry Shaker Abdulridha Abbas Hajim Medical Chemistry Lab Group: B 8:30 AM - 10:30 AM			
10:00 AM - 10:30 AM						
10:30 AM - 11:00 AM		DNK1-HA human anatomy Haider Sahib Mahdi Almayali General Anatomy Lab Group: B 10:30 AM - 12:30 PM		DNK1-CH Medical Chemistry Shaker Abdulridha Abbas Hajim Medical Chemistry Lab Group: A 10:30 AM - 12:30 PM		
11:00 AM - 11:30 AM						
11:30 AM - 12:00 PM	DNK1-PH Medical Physics saleh hasson abud d Al-Alama Naseer Al-Deen Al-Toosi Hall Group: AII 11:30 AM - 1:30 PM	DNK1-BI Biology Hussein Ali Kadhim Mutlab Medical Biology Lab Group: B 10:30 AM - 12:30 PM	DNK1-DA Dental Anatomy Ruaa Neama Khadim Aldubi Dental Anatomy Lab Group: B 11:30 AM - 1:30 PM	DNK1-DA Dental Anatomy Ruaa Neama Khadim Aldubi Dental Anatomy Lab Group: C 10:30 AM - 12:30 PM	DNK1-BI Biology Hussein Ali Kadhim Mutlab Al-Shareef Al-Murtada Hall Group: AII 11:30 AM - 1:30 PM	
12:00 PM - 12:30 PM			DNK1-CH Medical Chemistry Shaker Abdulridha Abbas Hajim Medical Chemistry Lab Group: C 11:30 AM - 1:30 PM			
12:30 PM - 1:00 PM		DNK1-HA human anatomy Haider Sahib Mahdi Almayali Al-Sheeh Diya'a Al-Deen Al-Iraqi Hall Group: AII 12:30 PM - 1:30 PM	DNK1-PH Medical Physics saleh hasson abud d Medical Physics Lab	DNK1-DA Dental Anatomy Ali Falah Hassan Abdulabbas Al-Alama Naseer Al-Deen Al-Toosi Hall Group: AII 12:30 PM - 2:30 PM		

The same dentistry schedule rendered left-to-right in English.

6.3 Mobile layout

Below 768 px the grid becomes a stacked day-by-day list designed for phones and WebViews:

- **Day chips** at the top show how many lectures each day has and jump straight to that day - empty days are dimmed.
- Each day pins its title while its lectures scroll.
- Cards keep the same colors and full details as the desktop grid.

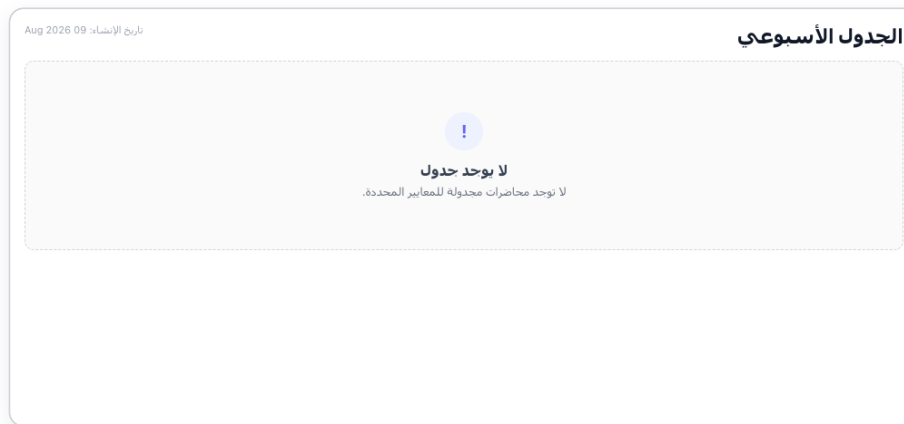
No configuration is needed - the same embed URL serves both layouts.



Mobile view with day navigation chips.

6.4 Empty schedule

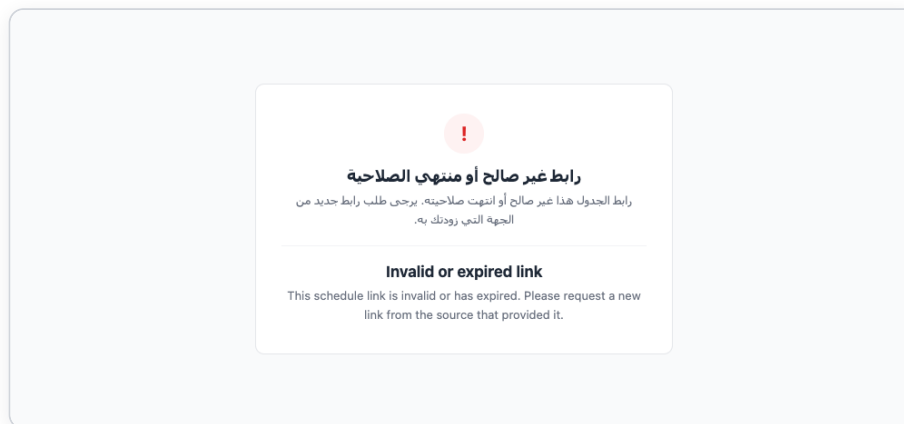
When the chosen filters match no scheduled lectures (for example, before the timetable of a new semester is published), visitors see a clean informational state - never an error.



Empty state: "No schedule - there are no scheduled classes for the selected criteria."

6.5 Invalid or expired link

If a URL is broken by editing, truncated when copied, or has passed its expiry date, the page shows a bilingual explanation. Simply generate a fresh URL to resolve it.



The bilingual invalid-link page (shown for tampered, malformed, or expired URLs).

7. Data Freshness, Caching and Rate Limits

Behavior	Value
Server-side cache	Rendered schedules are cached for up to 15 minutes
Browser cache	Visitors' browsers cache the page for 5 minutes
Effective freshness	Timetable changes made in the university system appear within ~20 minutes at most
Rate limit (embed page)	60 requests per minute per visitor IP - far above normal usage
Availability behavior	Because pages are cached, brief database load spikes do not affect embedded schedules

What this means for you: you never need to refresh or purge anything. Publish the iframe once; updates flow through automatically.

8. Display Reference

Element	Behavior
Week layout	Saturday first through Thursday (Iraqi academic week). Friday is added automatically only when it has lectures
Time axis	30-minute periods covering the lectures of the week (grid extends automatically for early or late lectures)
Course colors	Every distinct course receives its own color for the whole week, with a matching legend
Lecture type badge	Shown when defined (theoretical, practical, laboratory hours...)
"Parallel" badge	Marks lectures shared across multiple groups at the same time
Division on cards	Displayed only when the URL does not already filter by a single division
Group	Shown per card; "All" when a lecture applies to the whole division
Language fallback	English view falls back to Arabic names where English records do not exist

9. Troubleshooting and FAQ

Question / symptom	Answer
The iframe shows "Invalid or expired link"	The URL was altered, truncated, or expired. Generate a new URL via the API. If it keeps happening after a CORE platform announcement, URLs were invalidated by a security key rotation - regenerate once
The iframe shows "No schedule"	The filters are valid but no lectures match - commonly a not-yet-published semester or a wrong academic year ID
The schedule changed but the iframe still shows old data	Caching - wait up to ~20 minutes; it refreshes automatically
Can visitors discover other schedules from the URL?	No. The URL is encrypted and integrity-protected; any modification invalidates it
Can we call the generation API from our mobile app?	No - credentials must stay on your server. Generate URLs server-side and deliver them to the app
Does the page track visitors or set cookies for analytics?	No. It is a plain, view-only page
Can we style the schedule with our own colors?	Not in this version - the design is standardized across all embedding systems
API returns 401	Check both headers, then confirm with CORE that your client is active and holds <code>integration@sis:weekly-schedule:list</code>
API returns 403	Your server's public IP is not on the allow-list - send it to the CORE team

10. Support

For credentials, permission grants, IP allow-listing, or technical issues, contact the UMS CORE integration team. Always include your **Client ID** (never the secret) and the `request_trace_id` of any failing API call - every request is traceable on our side.

Document	Version
Weekly Schedule Embed - Integration Guide	1.0 - August 2026 - first release