

EPICUR DIGITAL INFRASTRUCTURE OVERVIEW (EPICURUS 1.0)



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Acronyms

Acronym	Explanation
EIUC	EPICUR Inter-University Campus
EPICURUS	EPICUR Unified System
ESC	European Student Card
ESI	European Student Identifier
EWP	Erasmus Without Paper
CMS	Campus Management System
LMS	Learning Management System
SIS	Student Information System
SSO	Single Sign On
ToR	Terms of Reference
USOS	University Study-Oriented System
VURS	Virtual University Registrar System
VCLP	Virtual Campus Learning Platform

1 Executive Summary

This document presents the EPICUR Digital Ecosystem EPICURUS 1.0. EPICURUS¹ is an extended ecosystem on top of the EIUC² (that has developed during the EPICUR pilot phase, 2019-2022). that acts as a digital infrastructure under the EPICUR European University Alliance.

Key components of EPICURUS are VURS³, VCLP⁴ and the Internship Portal, which streamline student mobility, course proposal and management, common course catalogues as well as scholarship administration.

EPICURUS 1.0 offers additional (compared with EIUC) VURS functionality, interfaces for interoperability and interconnection with other CMS⁵, LMS⁶ and external services.

A thorough requirements analysis informed the architecture, ensuring alignment with the needs of students, faculty, and administrative staff.

The EPICURUS 1.0 ecosystem enables efficient data exchange, facilitating shared access to course catalogues, student records, and internship opportunities. More specifically, VURS supports:

- MyAcademicID for users' authentication.
- the European Learning Model (ELM) for the record of information concerning Learning Opportunities (namely courses, learning pathways, etc.) in a unified way.
- Interoperability with CMS and LMS via a rich API⁷ compatible with 1EdTech's OneRoster standard, CampusConnect and other interfaces.

The document outlines the design and functionality of these systems, emphasising interoperability and data sharing to improve academic collaboration and efficiency.

By reinforcing digital capabilities, EPICURUS 1.0 aims to transform the higher education landscape, promoting innovation and cooperation across European institutions.

¹ EPICUR University System

² EPICUR Inter-University Campus

³ Virtual University Registrar System

⁴ Virtual Campus Learning Platform

⁵ Campus Management System

⁶ Learning Management System

⁷ Application Programming Interface

2 Introduction

The main goal of this document is to share information about EPICUR Digital Infrastructure (EPICUR University System - **EPICURUS**) with other alliances and stakeholders to support the synergies and the interoperability of our solutions and to empower the digital transformation in all over Europe.

During its pilot phase (2019-2022), EPICUR has implemented the “EPICUR Inter-University Campus - **EIUC**” (Figure 1), which is a working ecosystem with a centralised CMS⁸ (called VURS-Virtual University Registrar System) and a decentralised LMS⁹ system network (called VCLP-Virtual Campus Learning Platform).

This platform has been extended to create the 1st version of an interconnected university ecosystem namely **EPICURUS**¹⁰ 1.0. EPICURUS support data exchange with local CMS and LMS with the central VURS, in order to support the creation of a shared registry (supports common necessary data) of students, courses and professors, by not overcoming local LMS and CMS services. The shared registry is the result of the interoperability between systems (local LMS-CMS and EPICURUS).

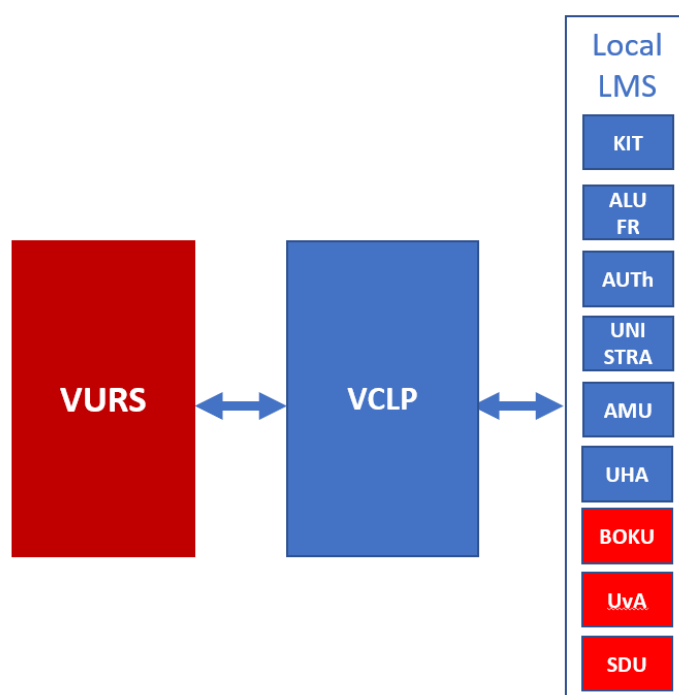


Figure 1: EIUC

Therefore, EPICURUS is an **extended ecosystem** on top of the current EIUC (namely VURS and VCLP) by offering interfaces for the **interconnection** with other CMS, LMS and external services.

EPICURUS has developed based on the needs emerged from EPICUR alliance target groups (students, registrars, teaching staff, researchers, etc.). However, the EPICUR digitalisation team participated in international fora and inter-alliance groups, to discuss about standardisation, interoperability and to receive the necessary input for improving the EPICUR digital infrastructure. Therefore, EPICUR representatives were continuously participated as experts in European initiatives and activities as the European Digital Education

⁸ CMS: **C**ampus **M**anagement **S**ystem

⁹ LMS: **L**earning **M**anagement **S**ystem

¹⁰ EPICURUS: **EPICUR** **U**niversity **S**ystem

Hub and especially the long-term “Higher Education Interoperability working group”¹¹ of the European Digital Education Hub¹².

This activity is key for collaboration and efficiency of EPICUR with other European universities and alliance towards the establishment of common standards and protocols for data exchange in teaching and learning systems.

2.1 Structure

This document is organised in the following chapters:

- General EPICUR mobility process
- EPICURUS 1.0 architecture
- Basic VURS functionality
- Advanced VURS functionality
- Presentation of VCLP

3 General EPICUR Mobility Process

One of the chief objectives in EPICUR-SHAPE-IT is to work towards achieving the goal of reaching 50% mobility within the alliance. Previous research and experiences of the alliance in the pilot phase have shown that learner support throughout the full cycle of mobilities is indispensable in increasing mobility uptake. In order to provide a one-stop-shop for all potential participants in EPICUR mobilities, the alliance will establish an alliance-wide Mobility Service, which will serve as a one-stop-shop for all prospective participants.

The EPICUR learning opportunities are offered by the EPICUR partner universities and are accessible to EPICUR students through the process depicted in Figure 2, Figure 3, Figure 4 and described in Table 1.

The mobility process developed during the pilot phase is continuously being enhanced on the basis of the mobility cycle and this sparks the development of new digital solutions that will be implemented as part of EPICURUS.

¹¹ <https://education.ec.europa.eu/focus-topics/digital-education/digital-education-hub/workshops-and-working-groups/european-higher-education-interoperability?>

¹² <https://education.ec.europa.eu/focus-topics/digital-education/action-plan/european-digital-education-hub>

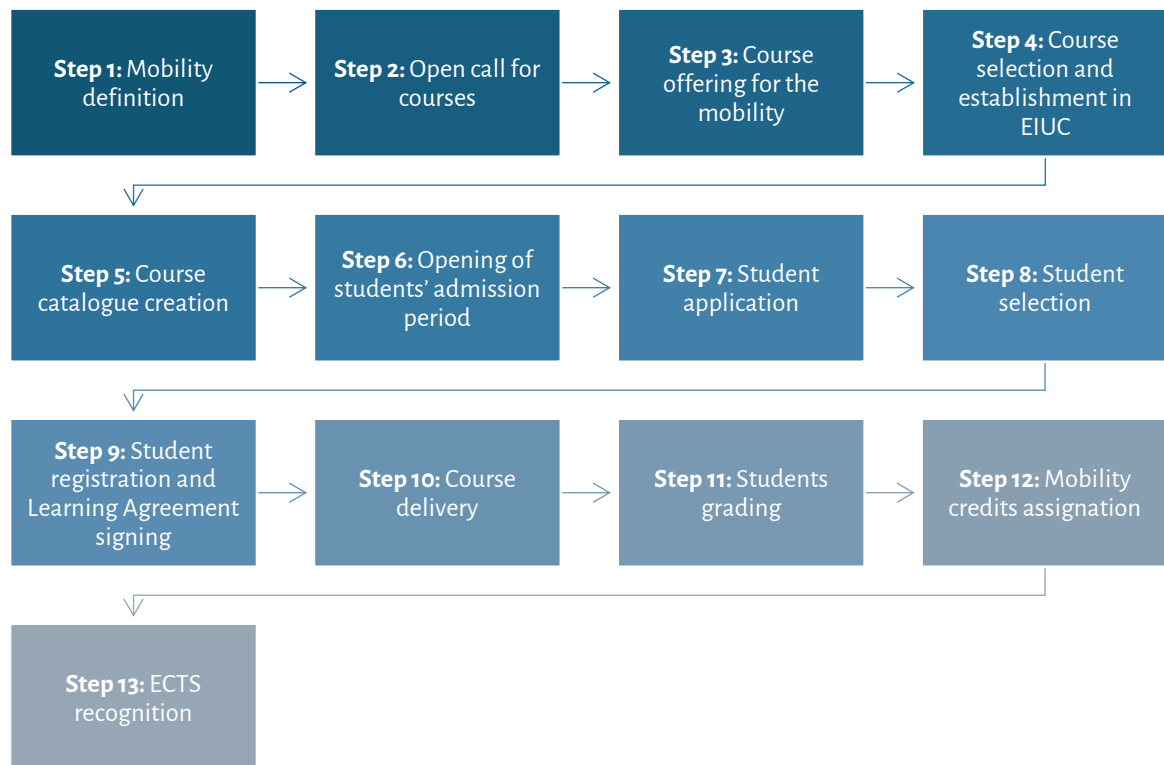


Figure 2: Student Mobility Process in EPICUR

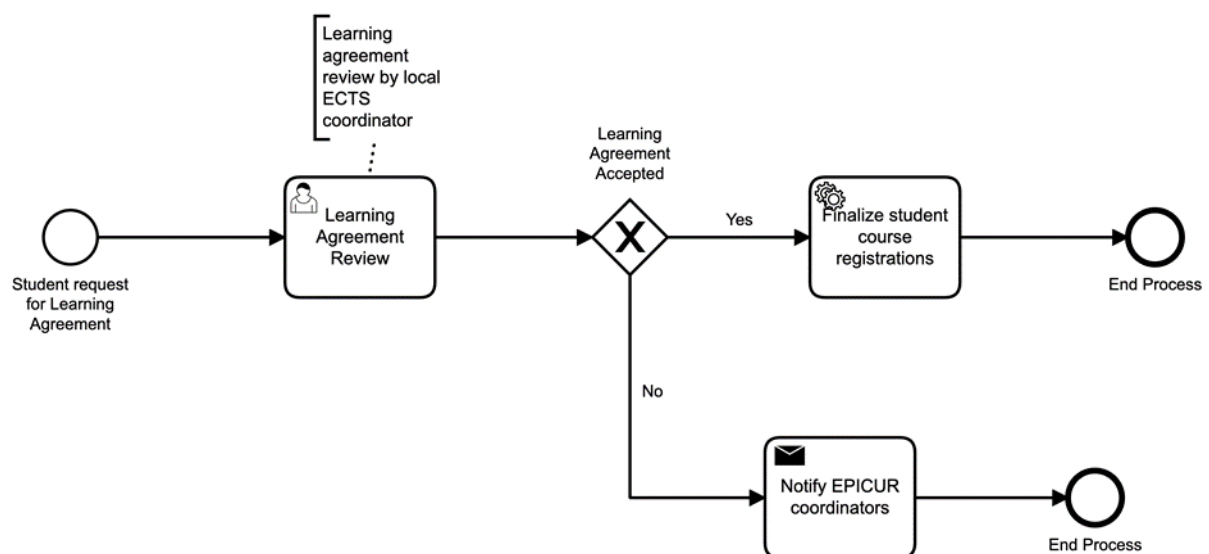


Figure 3: Learning Agreement Acceptance Process (Step 9 in Figure 2)

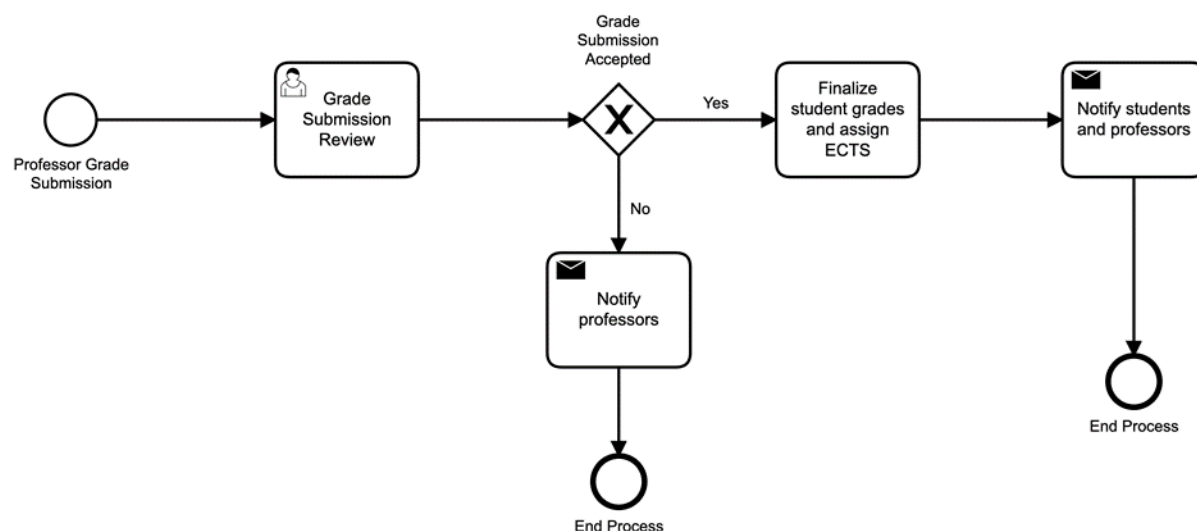


Figure 4: Student Grading Process (Step 13 in Figure 2)

Table 1: Presentation of the steps of the Student Mobility Process and their support by EPICUR digital services

No	Step	Digital Service
1	Mobility definition	{not applicable}
2	Open call for courses	{not applicable}
3	Course offering for the mobility	Faculty App
4	Course selection and establishment in ECIU	VURS Registrar app ¹³
5	Course catalogue creation	EPICUR Course catalogue ¹⁴
6	Opening of students' admission period	VURS
7	Student application	VURS register app ¹⁵
8	Student selection	VURS Registrar app ¹⁶
9	Student registration and Learning Agreement signing	VURS register app ¹⁷
10	Course delivery	VCLP ¹⁸ (learning activities) VURS ¹⁹ student app (monitor mobility)
11	Students grading	VURS ²⁰ instructor app
12	Mobility credits assignation	VURS Registrar app ²¹
13	ECTS recognition	VURS Interconnection with local Student Management Systems

4 EPICURUS 1.0 architecture

¹³ <https://registrar.epicur.auth.gr/>

¹⁴ <https://register.epicur.auth.gr/assets/courses/catalogue/>

¹⁵ <https://register.epicur.auth.gr/>

¹⁶ <https://registrar.epicur.auth.gr/>

¹⁷ <https://register.epicur.auth.gr/>

¹⁸ <https://learn.epicureducation/>

¹⁹ <https://students.epicur.auth.gr>

²⁰ <https://faculty.epicur.auth.gr/>

²¹ <https://registrar.epicur.auth.gr/>

This chapter presents the high level of EPICURUS architecture and main VURS components. Furthermore, it presents the interfaces developed in VURS for the interoperability with the local EPICUR systems.

4.1 High level EPICURUS architecture and main VURS components

This paragraph presents a high-level architecture of EPICURUS and the main VURS components.

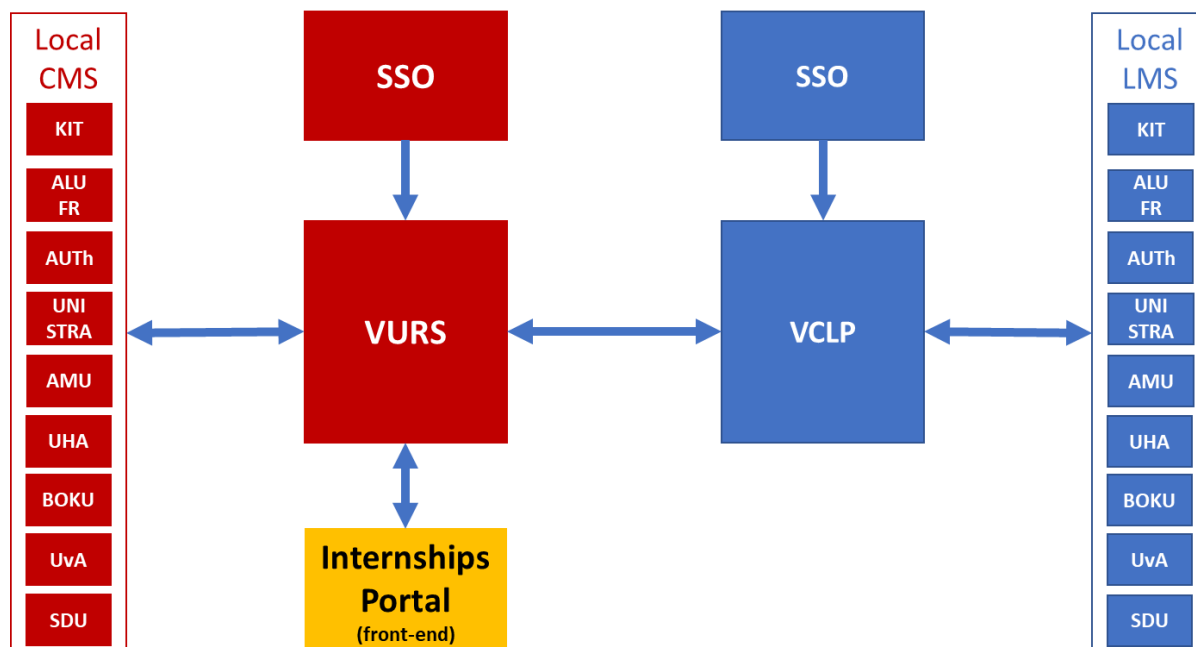


Figure 5: EPICURUS high level architecture

The main EPICURUS 1.0 components are the following (Figure 5):

- Single Sign On (SSO) Services.
- Virtual Campus Learning Platform (VCLP)²²: It is the Learning Management System (LMS) of EPICUR along with a Decentralised LMS server acting as gateway to local LMSs of the partners.
- The Internship Portal (front end): The Internship Portal front-end serves as the primary interface for student interaction at <https://internships.epicur.auth.gr/>.
- Virtual University Registrar System (VURS): Centralised Campus Management System/Student Information System (CMS/SIS) keeping the necessary information for the students' mobilities and services.

The main VURS Components are the following (Figure 6):

- Course Catalogue (<https://courses.epicur.auth.gr/>): Public course catalogue of all learning pathways offered to the EPICUR students.
- Candidates App (<https://register.epicur.auth.gr/>): The application for the prospective students to apply for participation in the EPICUR learning pathways.
- Students App (<https://students.epicur.auth.gr/>): The application for the selected students attending the EPICUR learning pathways.
- Registrar App (<https://registrar.epicur.auth.gr/>): The application for the administrative staff to monitor EPICUR learning pathways and students mobilities. In addition, the Registrar App is supporting the "Internships Administration module".

²² This component is described in detail in the Deliverable of Task 4.2.1 with title : *Initial design and creation of the Virtual Campus Learning Platform (VCLP)*

- Faculty App (<https://faculty.epicur.auth.gr/>): The application for the teaching staff delivering a course that is part of an EPICUR learning opportunity. This app is integrating the “Course proposal module” by teaching staff.
- Admin Panel (<https://registrar.epicur.auth.gr/>): A specific part of the application for the Registrar App to admin the rights and roles of the rest of the users.
- VURS API Server (<https://api.epicur.auth.gr/>): The core service interacting with all the apps above, external services/systems and the VCLP component.

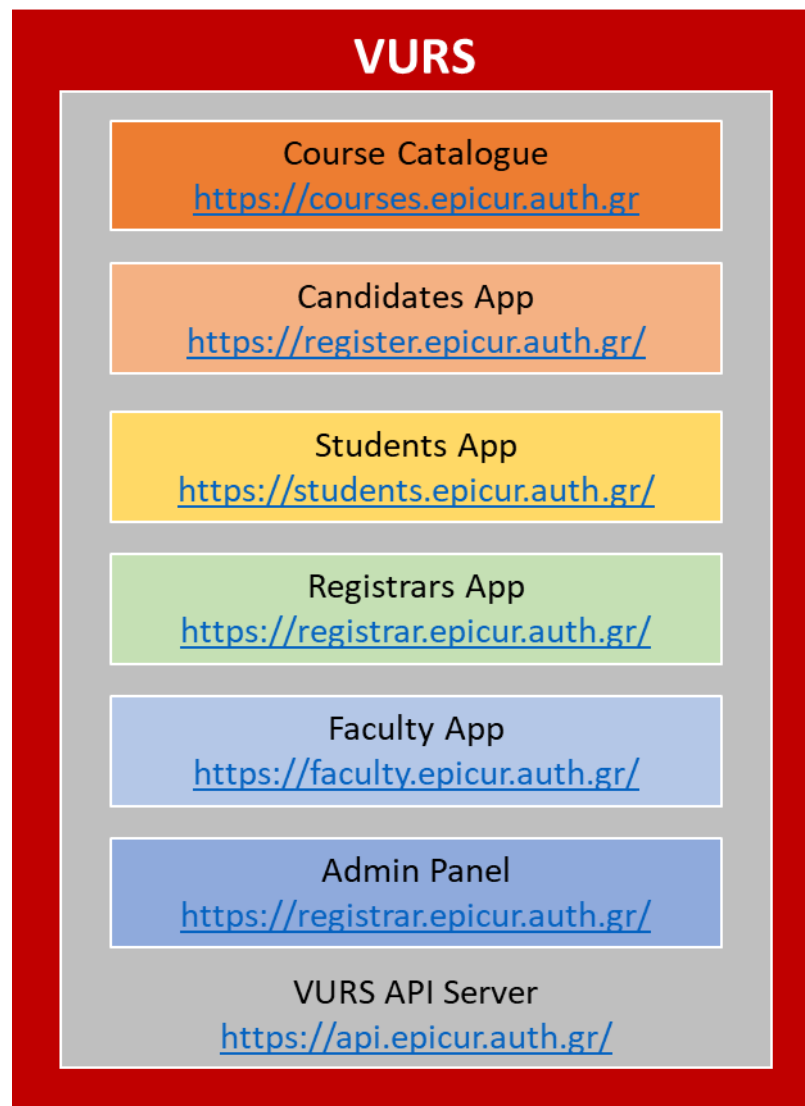


Figure 6: VURS components

4.2 Interfaces with local systems for sharing course data

This section presents the interfaces that have been created in order to support the interoperability between the systems of the EPICUR partners and EPICURUS in order to create the shared registry of courses (Figure 7).

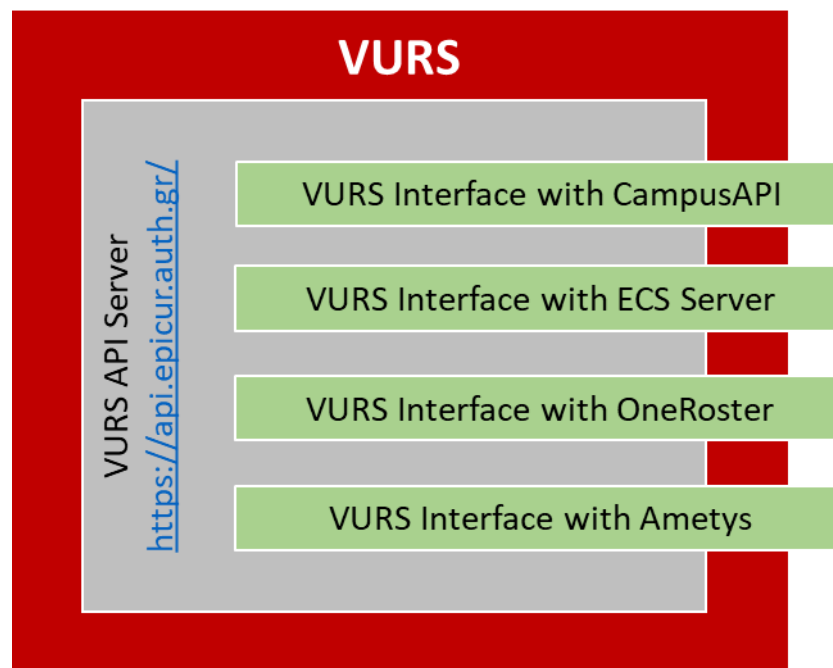


Figure 7: Interfaces with local systems for sharing course data

4.2.1 VURS Interface with CampusAPI

Campus API exposes a collection of services for getting a course catalogue based on a given academic year and period including information about course scheduling, course description etc.

EPICUR VURS implementation consists of two (2) different interfaces for providing online and offline processing of course data.

The online process of getting data is trying to get courses and convert them to an EPICUR Course Registry course before finally including data to course registry.

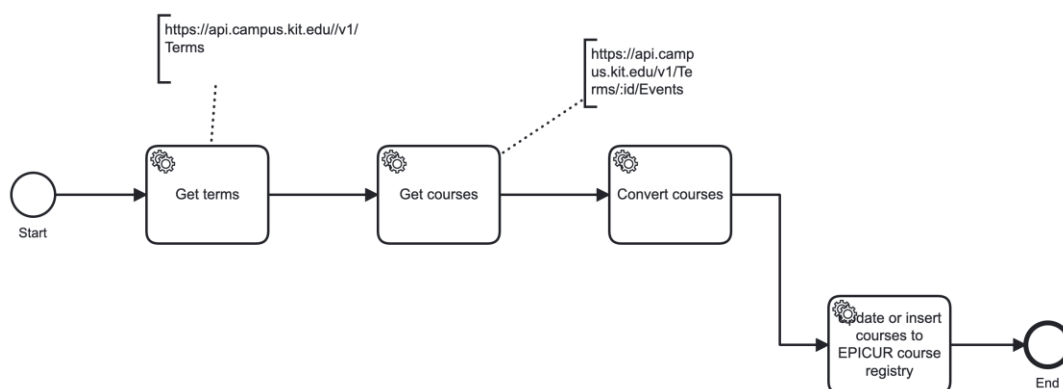


Figure 8: VURS Interface with CampusAPI – Online process

The offline process is getting data from a file which contains a collection of CampusAPI courses and it's trying to convert and update or insert courses at EPICUR VURS Course Registry

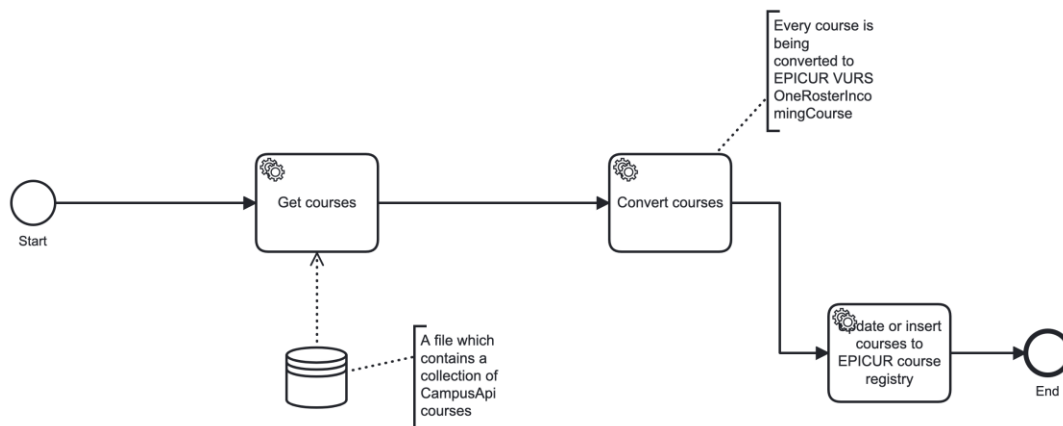


Figure 9: VURS Interface with CampusAPI – Offline process

After completing the process described above the EPICUR Course Registry list will contain courses provided by CampusAPI services.

EPICUR Course Registry
The EPICUR Course Registry - EPICR- is a collection of courses published from EPICUR partners that are available for importing them into EPICUR Course Catalogue

Search More ▾

24 Courses

Course code	Name	Organization	ECTS	Default language	Internal identifier
SS242573001	Personnel Policies and Labor Market Institutions	Karlsruhe Institute of Technology	4.5	Deutsch	
SS247000741_11	Preparation Master Thesis - Inderbitzin	Karlsruhe Institute of Technology	2		
SS244013644	Advanced Seminar: Experimental and Theoretical Methods in Particle Physics	Karlsruhe Institute of Technology	4		
SS241130442	Modern history of Ukraine. The path of Eurointegration	Karlsruhe Institute of Technology		Englisch	
SS242243121	Dynamics of Mechanical and Process Engineering Systems - Exercises	Karlsruhe Institute of Technology	3		
		Karlsruhe			

Figure 10: Example of Courses added in EPICUR VURS Course Registry via VURS Interface with CampusAPI

4.2.2 VURS Interface with ECS Server

EPICUR VURS implements an interface for connecting with any ECS Server and getting course information provided by a FIFO event list. It consumes event list and starts getting course information for updating or inserting a course into EPICUR course registry.

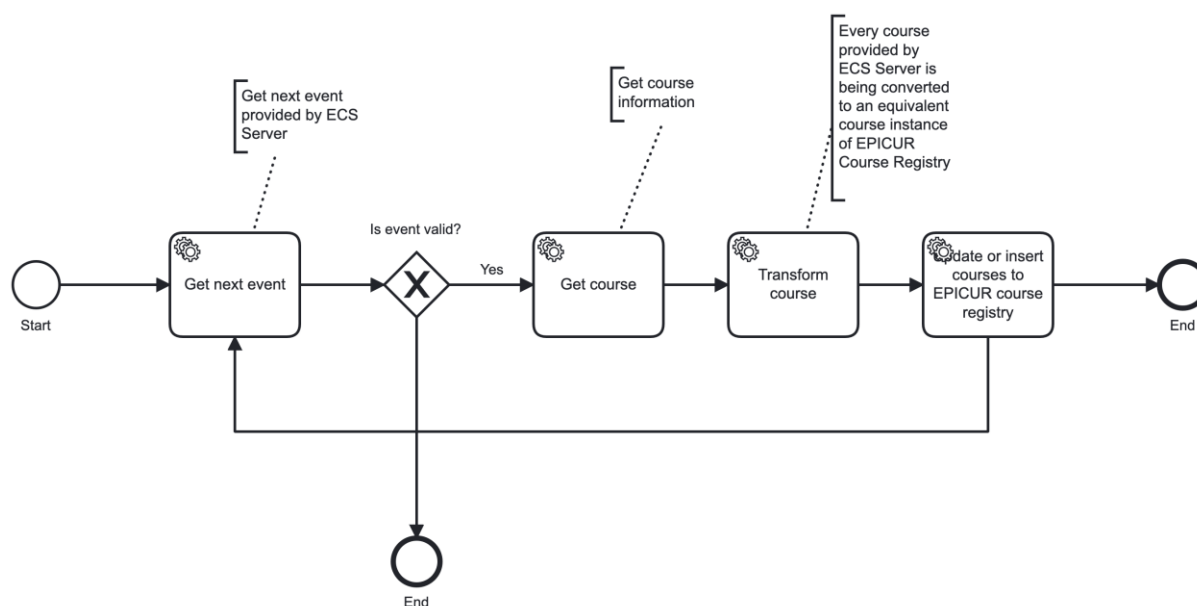
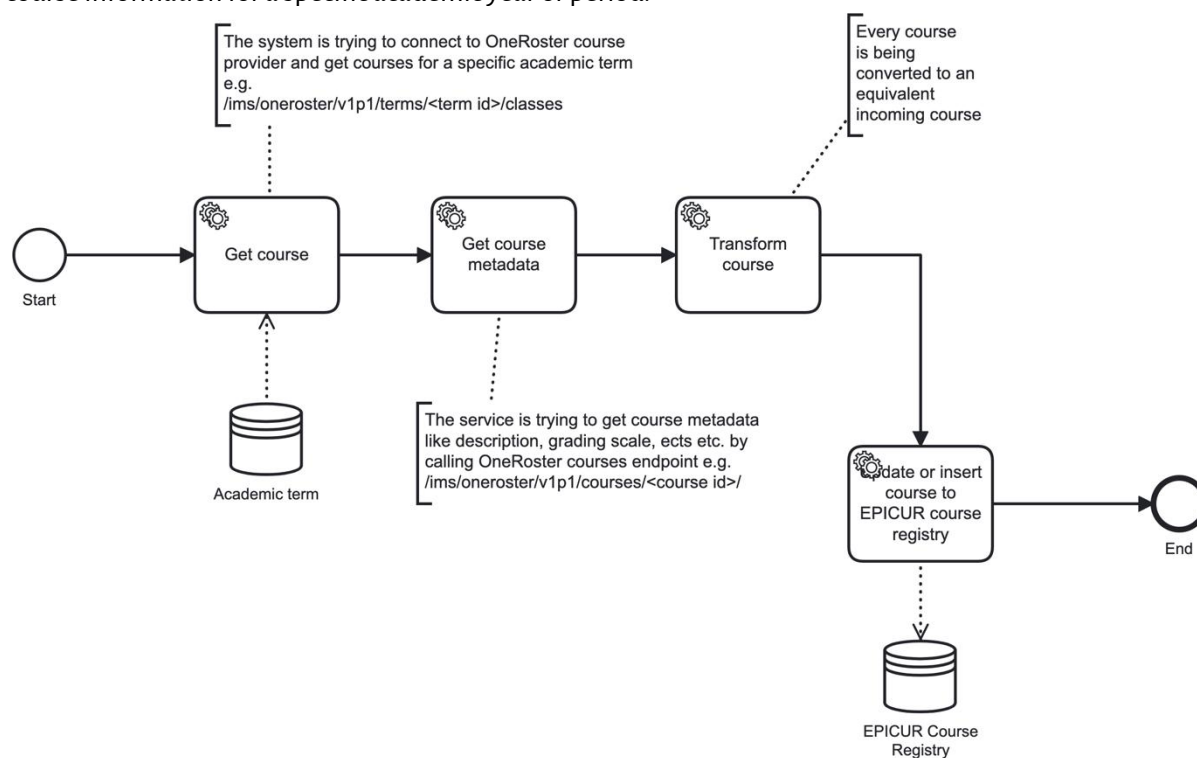


Figure 11: VURS Interface with ECS Server

4.2.3 VURS Interface with OneRoster

1EdTech OneRoster®: Specification²³ defines an extensive collection of services for transferring course information, student enrollments, student grades etc. between systems. A service acts as a producer for presenting data related to courses, students, enrollments, grades etc., while other services act as consumer of the data provided.

EPICUR VURS implements an interface for connecting with an OneRoster Course Provider and getting course information for a specific academic year or period.



²³ <http://www.imsglobal.org/oneroster-v11-final-specification>

Figure 12: VURS Interface with OneRoster

4.2.4 VURS Interface with Ametys

Ametys Campus is a digital solution used by many French Higher Education Institutions for exposing interfaces and services to educational community including course catalogues. EPICUR VURS acts as consumer for getting, transforming and finally importing courses into EPICUR Course Registry.

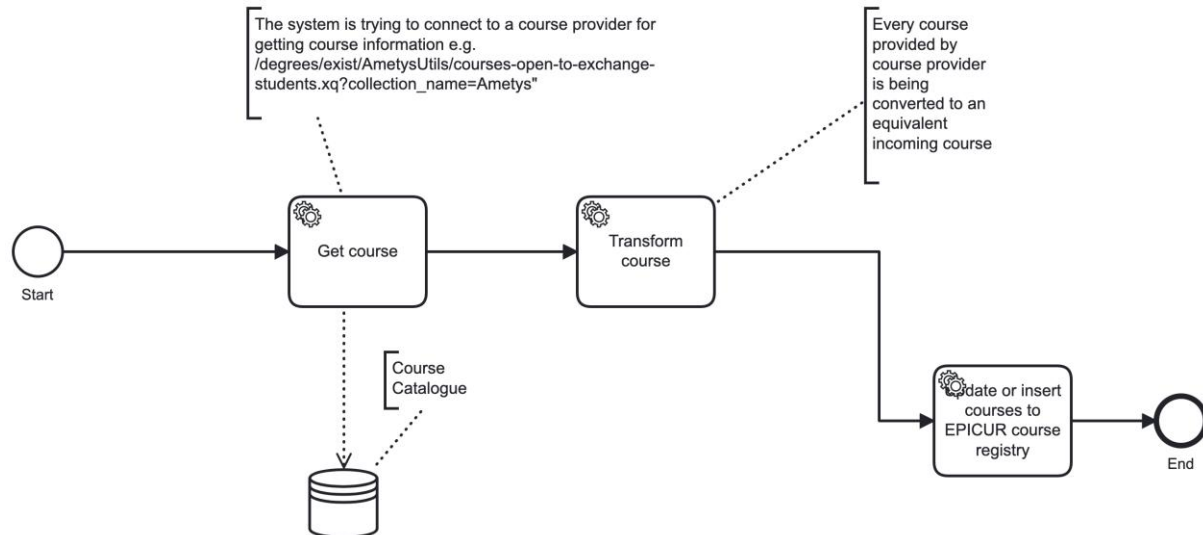


Figure 13: VURS Interface with Ametys

4.3 VURS Interface with VCLP

EPICUR VURS acts as a consumer of EPICUR VCLP for identifying courses and preparing student enrollment synchronisation. Any course included into EPICUR Course Catalogue may be associated with a course provided by VCLP by using VCLP API Services.

https://learn.epicur.education/ Yes Yes 199

Select a VCLP course to connect

Gree

[2485] GREECE TODAY

[2488] Greek Nature. Biodiversity, Conservation and Ecosystem Services

[8232] The Greek World between East and West

[4056] Modern Greek Folk Songs: Creators and Collections, Editions & Translations, Texts & Contents (2021/22) (dr Kyriakos Papoulidis)

will begin by briefly discussing some key texts and theories in cultural studies mainly by Williams, Hall, Marx, Gramsci and Althusser. We will move on to the establishment of cultural studies as a discipline with reference to the Frankfurt School and the Birmingham School. The rest of the course will chart the areas modern Cultural Studies are covering looking at topics such as (new) media, consumption cultures, post-modernism, gender studies, social networking, subcultures, etc.

Additional information

Department * EPICUR

Provider Aristotle University of Thessaloniki

Provider department/faculty School of Political Science

Instructor Papastathis Konstantinos

Priority Area * European Values

A priority area associated with this course.

Course Areas

Modern Greek | x European Values | x

Figure 14: EPICUR Registrar—Connect course with VCLP

The second phase of EPICUR VCLP integration is trying to synchronise student enrollments for a specific academic year and period. The operation starts by validating student accounts and pushing student enrollments to VCLP. At the end of this process, any EPICUR student will have the required privileges to access course content at local institution's LMS.

Registrations Current academic year All Course Registrations

Search Search... More

325 Registrations

	Student Identifier	Student Full Name	Registration Date	Period	Academic Year	Status	
☒	000569	Klein Ute	7/5/22	Fall	2022-2023	Open	Open
☒	000570	Klein Ute	7/5/22	Fall	2022-2023	Closed	Close
☒	000758	Klein Ute	9/27/22	Fall	2022-2023	Closed	Compose new message
☒	000566	Georgiadis Lydia	7/5/22	Fall	2022-2023	Open	Synchronize data to VCLP
☒	000558	Dimitriadis Chloe	7/5/22	Fall	2022-2023	Closed	Select all
☒	000217	Dimitriadis Chloe	9/25/22	Fall	2022-2023	Closed	Clear selection
☒	000043	Dimitriadis Chloe	9/25/22	Fall	2022-2023	Closed	Completed
☒	000260	Dimitriadis Chloe	9/25/22	Fall	2022-2023	Closed	Completed
☐	000603	Papazoglou Georgia	7/5/22	Fall	2022-2023	Closed	Completed
☐	000699	Papazoglou Georgia	7/19/22	Fall	2022-2023	Closed	Partial
☐	000639	Galanis Colin	7/7/22	Fall	2022-2023	Closed	Partial

Figure 15: EPICUR Registrar—Synchronising student enrollments with VCLP

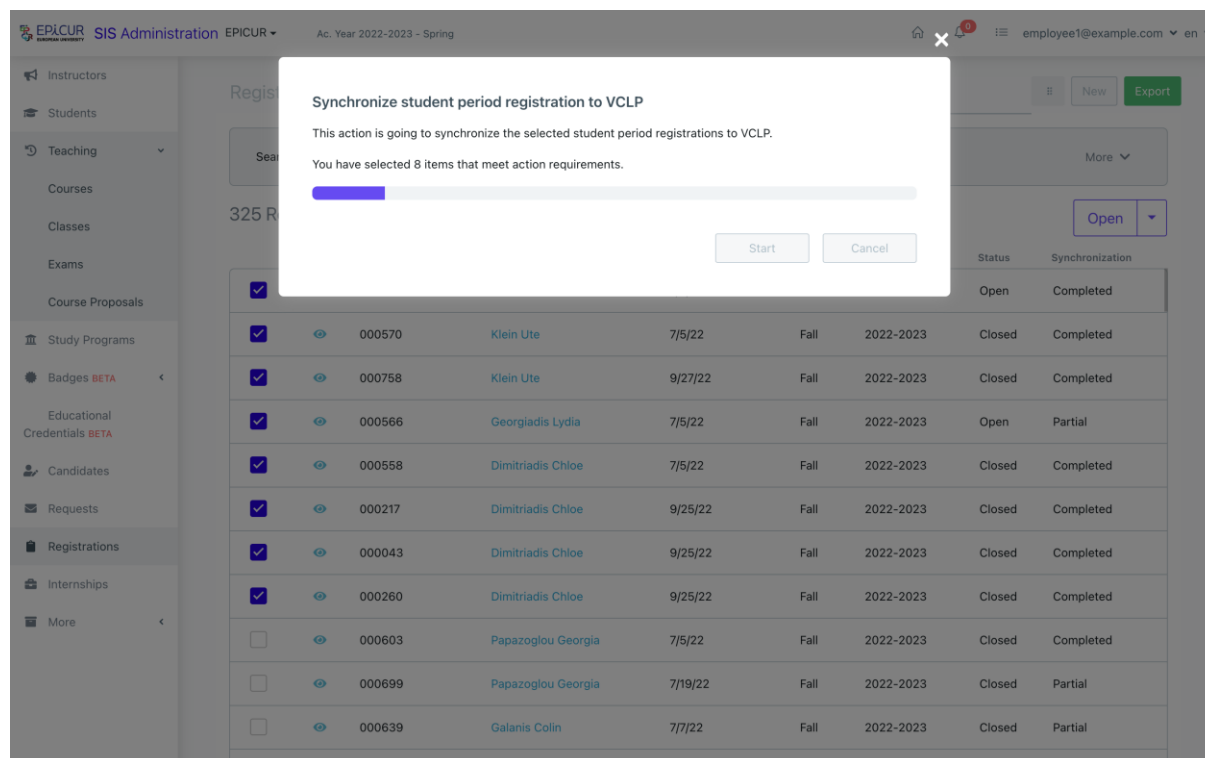


Figure 16: EPICUR Registrar—Synchronising student enrollments with VCLP

4.4 VURS Interface with LMS

EPICUR VURS acts as OneRoster Provider and publishes courses, students, teachers, enrollments, grades etc to any LMS or CMS integrated with OneRoster. Any learning management system -which has been integrated to act as OneRoster consumer- starts getting data from EPICUR VURS.

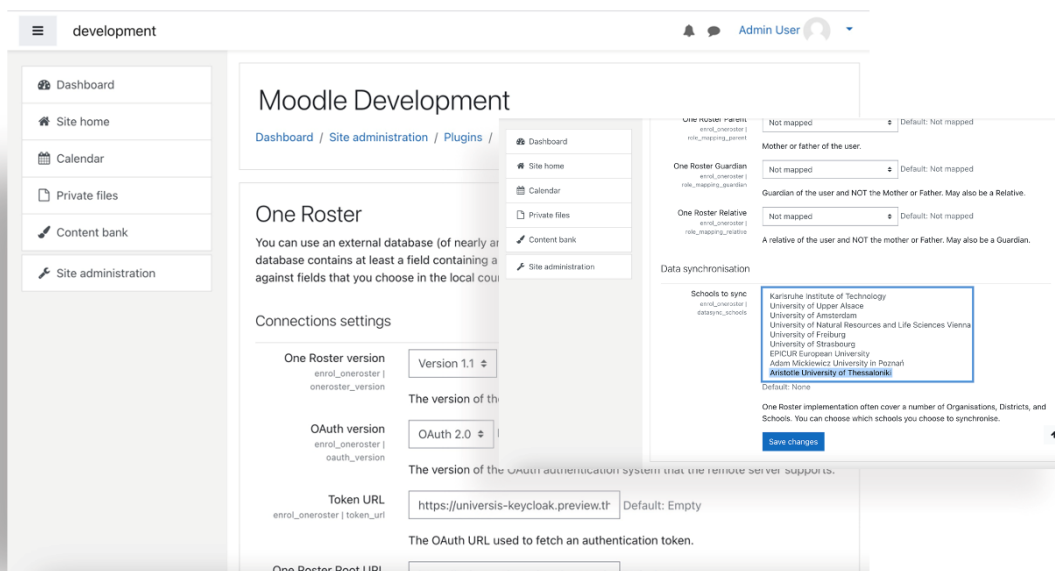


Figure 17: Moodle plugin for OneRoster—Configure OneRoster provider

Courses, classes, teachers, student enrollments etc. are being synchronised by using the services provided by EPICUR VURS.

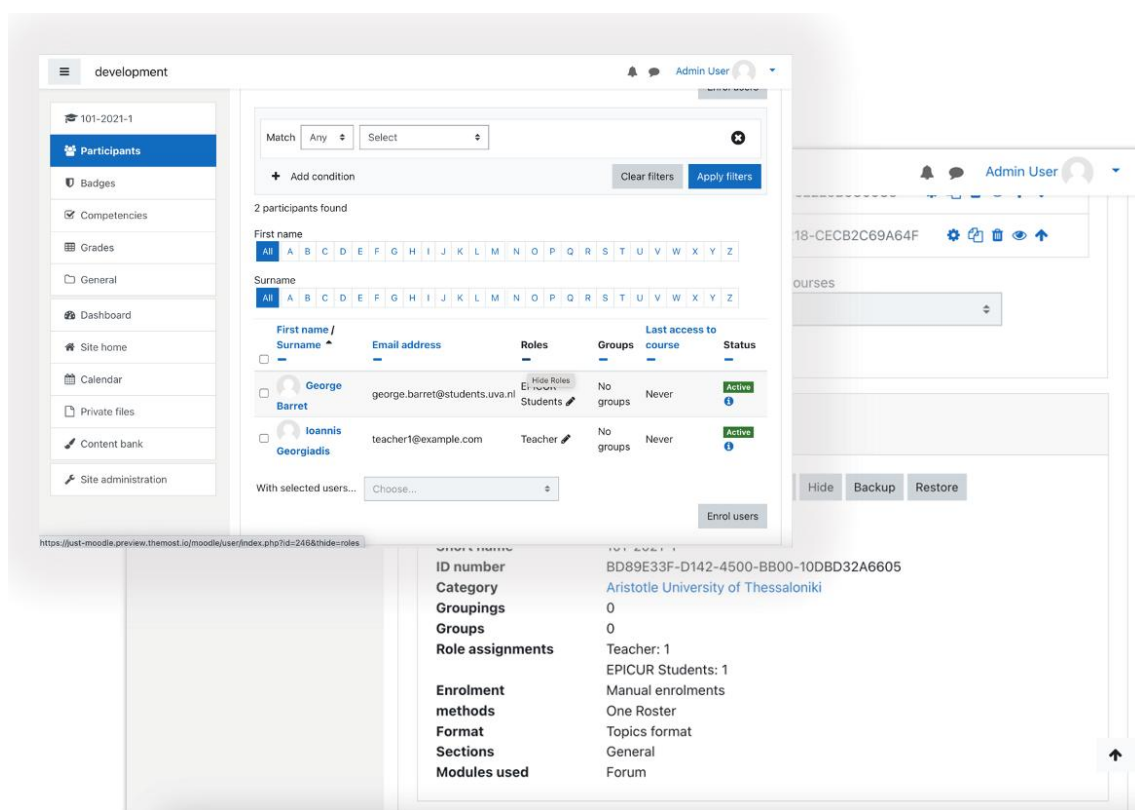


Figure 18: Moodle plugin for OneRoster—Synchronising student enrollments

EPICUR VURS Authorisation Server acts like a proxy for providing user authorisation and completes the inter-connection with LMS services that support OpenID Connect authorisation.

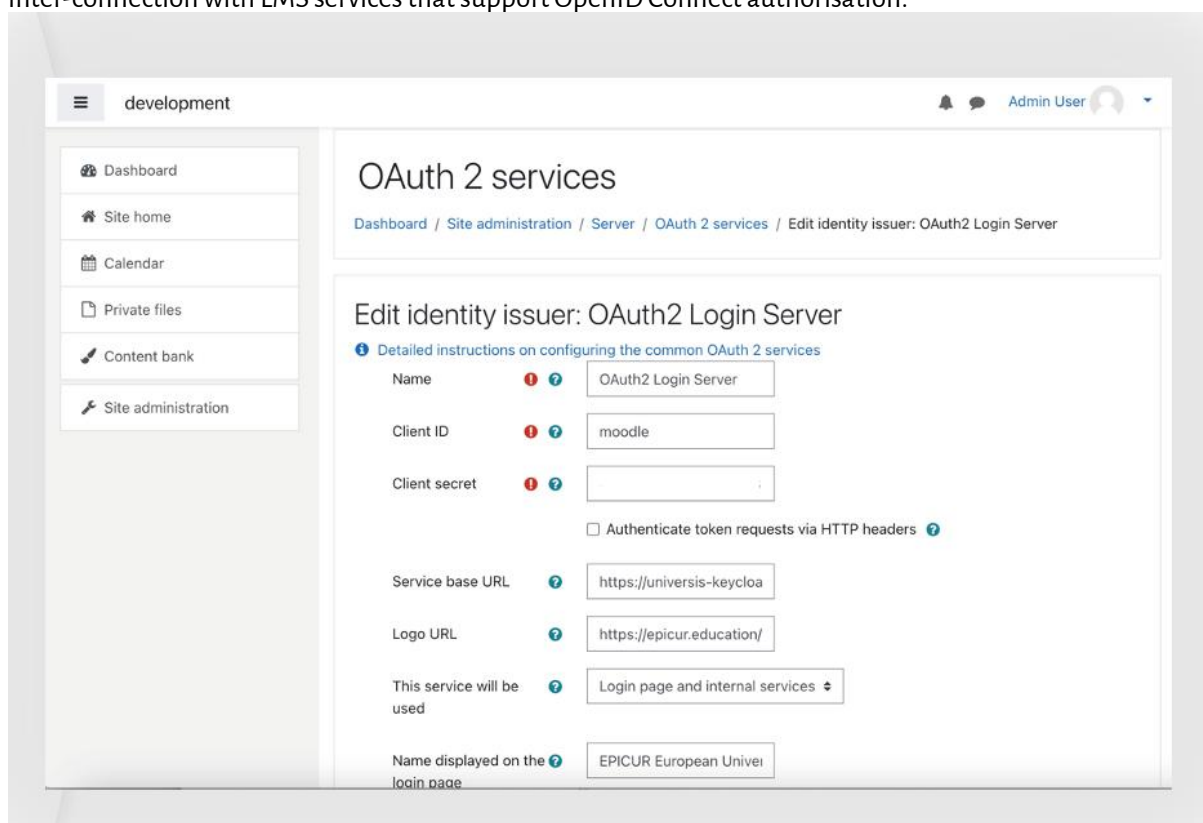


Figure 19: Moodle integration – EPICUR VURS OAuth2 Services

5 Basic Virtual University Registrar System (VURS) functionality

5.1 Introduction

As described before VURS has the following main components that can be accessed by its specific webpage (Figure 6):

- Course Catalogue
- Candidates App
- Students App
- Registrar App
- Faculty App
- Admin Panel

Table 2 presents an overview of VURS Roles and Rights per Component.

Table 2: Overview of VURS Roles and Rights per Component

Component	Roles/Rights
Course Catalogue	Guest / Open access to everyone
Candidates App	Candidate / Every user of the local partner universities; S/he can apply for a mobility
Students App	EPICUR student / Student that has been selected to at least one EPICUR mobility and can track his records and communicate with the professors.
Registrar App	Administrative staff / Creation of mobilities and courses; admission of students
Faculty App	Teaching staff / Grading and communication with the students
Admin Panel	Administrator / Responsible for: • data consistency; • bug fixes; • analytics reports; • site reliability.

This section presents the most important VURS interfaces as they have been already developed according to the required functionality. Along with the system interfaces the specific system functionality are described using the template presented in Table 3.

Table 3: Template for Functionalities

Functionality Name	Name of the functionality
Actors	Users or system components that will use this functionality
Input Data	Data needed for the implementation
Description	Process that will be followed for the achievement of the functionality
Output Data	Expected result

5.2 Access and Registration / Login to VURS

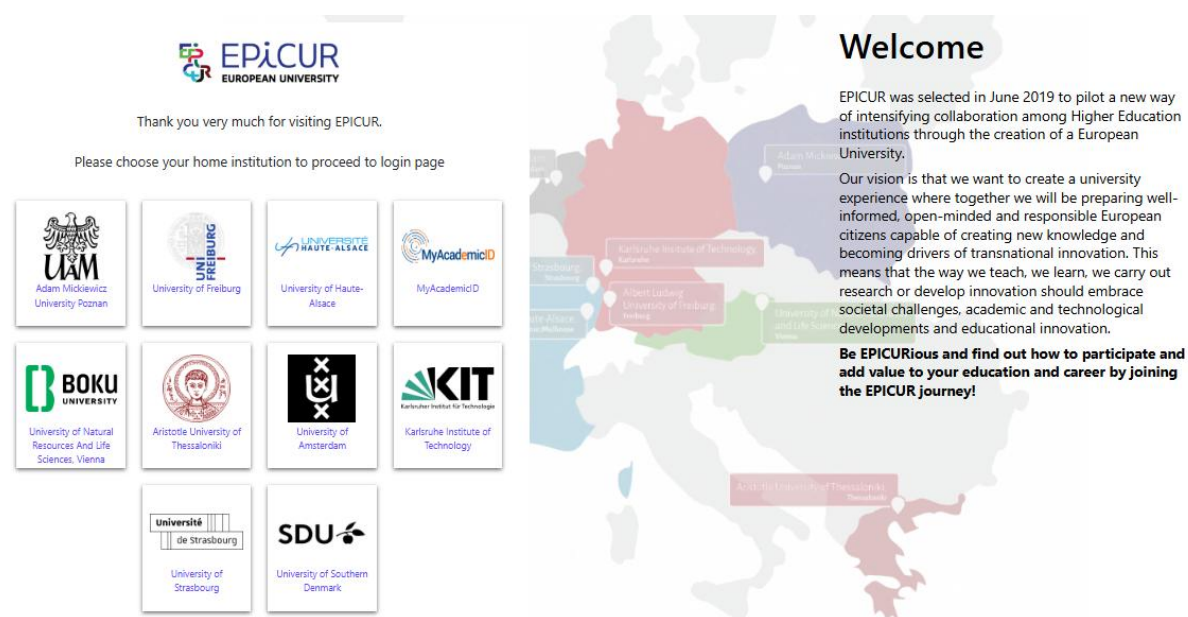


Figure 20: Access to the VURS functionality

Table 4: Access to the VURS functionality

Functionality Name	Access to the VURS
Actors	All Users
Input Data	Credentials in any institution of EPICUR partners
Description	The user - visits the application of EPICUR VURS that corresponds to the user group to which he/she belongs - is being redirected to Authorisation Server of VURS in order to get access to the VURS functionalities where there are buttons icons of all the EPICUR partners' institutions and a login form - selects the institution in which has an account, and he/she is being redirected to the login page of the selected institution - After filling the correct credentials, is being redirected to the main page of VURS
Output Data	When the user clicks on an institution the message "Redirecting, please wait." appears until he/she is being redirected to the institution's login page. After validating user's credentials, the loading page displays to redirect the user to the main page (dashboard) of the VURS EPICUR. If the user puts invalid credentials in the login form, the message "Invalid username or password." appears.

5.3 VURS Basic Functionality for Registrars

5.3.1 Preview Main Information

The screenshot displays the EPICUR SIS Administration Dashboard. The top navigation bar includes the EPICUR logo, 'SIS Administration', 'EPICUR European University', and the academic year 'Ac. Year 2021-2022 - Fall Semester'. A user profile dropdown shows 'employee1@example.com' in English. The left sidebar lists navigation options: Instructors, Students, Teaching, Study Programs, Candidates, Requests, Registrations, and More. The main content area is titled 'Dashboard' and features three primary sections:

- Latest messages via applications:** A list of messages with details such as sender email (e.g., lisa.moore@students.uva.nl), subject (e.g., '<No subject>', 'test2...'), and timestamp (e.g., 5/9/22, 8:18 PM). A 'Show more' button is at the bottom.
- Active Requests: 8:** A table listing active requests with columns for Date, Title, Type, Status, and a View link.

Date	Title	Type	Status	View
5/10/22, 1:28 PM	I would like to inform you that I am ...	General request	Active	View
5/3/22, 12:57 PM		Certificate request	Active	View
2/8/22, 4:51 PM		Certificate request	Active	View
- Active upload grades: 0:** A section indicating no records are present.

Figure 21: Preview Main Information functionality

Table 5: Preview Main Information functionality

Functionality Name	Preview Main Information
Actors	Administrators, Registrar Users
Input Data	-
Description	The user can view main entities of EPICUR VURS by selecting the home icon from the VURS's menu bar
Output Data	The page with the main entities of EPICUR VURS is loaded which are: latest messages via applications, active requests, exam participate requests, active upload grades.

5.3.2 Search Lecturer

The screenshot displays the 'Search Lecturers' interface. At the top, there are tabs for 'Instructors', 'Current department', and 'All'. Below these is a search bar with a 'Search' button and a 'More' dropdown. A list of 39 instructors is shown, with columns for Full Name, Department, Category, Email, and Work Phone. Two instructors are visible: 'Test User' and 'Mayer George'. Below the list is a form for full search criteria with fields for Full Name, Status, Category, and Email. At the bottom, there are buttons for 'Save current search', 'Search', and 'Less'.

Figure 22: Search Lecturers functionality: a) List of Lecturers, b) Full search criteria

Table 6: Search Lecturers functionality

Functionality Name	Search Lecturers
Actors	Administrators, Registrar Users
Input Data	Optional: Full name, Status, Category. Email Send message action: Required: Subject, Write a short message
Description	The user can search a group of lecturers or a specific lecturer by following the steps: - selects the Instructors option from the VURS's sidebar menu - selects between current department lecturers (default option) and all lecturers from the tabs section - finds the group of lecturers or a specific lecturer on the list of instructors by searching/filtering lecturers (by Full name, Status, Category. Email) and by sorting them (by Full name, Department, Category. Email, Work Phone) To communicate with lecturer(s): - check box next to each lecturer - clicks arrow button next to Actions - selects Send message option - completes the message form (Subject, Write a short message) and sends it
Output Data	The list of the lecturers that satisfy the defined requirements appears in the Instructors page. For "Send message" action, a loading bar appears and after the completion the popup form closes.

5.3.3 Preview Lecturer

< Instructors

Papageorgiou Ioannis ⓘ Edit

Overview General Classes Exams Theses

Last Grading: More
No available exams

Classes Ac. Year 2021-2022 - Fall More

Title	Display code	Department Name	
Cultural studies	GR402	EPICUR	View
Applied Intercultural Competences - Compétences Interculturelles ap...	UHA1002	EPICUR	View

2 Classes

General More



Ioannis Papageorgiou

[Contact by email](#) [Send Message](#)

Registration number
User name: [teacher1@example.com](#)
Department: EPICUR
Category: Associate Professor
Learning Pathway: -

Under Supervision: 0 More

Theses: 0 More

< Instructors

Papageorgiou Ioannis ⓘ Edit

Overview General **Classes** Exams Theses

Search More

5 Classes - Remove + Add course

Display code	Title	Year	Period	Number of students	Max number of students	Week Hours	Total Hours	
☒ GR402	Cultural studies	2021-2022	Fall	2	10	3		ⓘ
☐ UHA1002	Applied Intercultural Competences - Compétences Interculturelles appliquées	2021-2022	Fall	1	20			ⓘ

< Instructors

Papageorgiou Ioannis ⓘ Edit

Overview General Classes **Exams** Theses

Search More

3 Exams - Remove + Add exam

Display code	Title	Period	Year	Graded students	Status	Date completed	
☒ AMU1100	Anthropology of the Everyday Life on the Balkans	Spring Final Examination	2020-2021		Completed	6/22/21	ⓘ
☒ AMU1400	Finnish Language	Spring Final Examination	2020-2021		Completed	9/24/21	ⓘ

Figure 23: Preview Lecturer functionality: a) Overview tab, b) Classes tab, c) Exams tab

Table 7: Preview Lecturer functionality

Functionality Name	Preview Lecturer
Actors	Administrators, Registrar Users
Input Data	Optional: Full name, Status, Category. Email
Description	The user can view a lecturer's information by following the steps: - searches for a specific lecturer on Instructors page - clicks on the 3 dots next to the lecturer's name - selects Preview option Add class action:

	• selects Classes tab • clicks + Add course button • selects course(s) by checking box(es) and clicks Apply button Remove class action: • selects Classes tab • selects course(s) by checking box(es) • clicks - Remove button • clicks OK button on the confirmation popup window Add exam action: • selects Exams tab • clicks + Add exam button • selects exam(s) by checking box(es) and clicks Apply button Remove exam action: • selects Exams tab • selects exam(s) by checking box(es) and click Apply button • clicks - Remove button • clicks OK button on the confirmation popup window
Output Data	The page with all the lecturer's information is loaded where there are four tabs: Overview, General, Classes, Exams, Theses. Upon adding or removing classes/exams to a lecturer, a completion message appears and the list of classes/exams is updated.

5.3.4 Insert Lecturer

< Instructors

New instructor

User Information

Given Name *

Family Name *

Middle Name

Title

Email *

Gender

Rating Information

Status *

Department *

Section

Registration Number

Specialty

Category

Contact Details

Home Address

Postal Code

City

Country

Home Phone Number

Work Address

Postal Code

City

Work Country

Work Phone Number

Figure 24: Insert Lecturer functionality

Table 8: Insert Lecturer functionality

Functionality Name	Insert Lecturer
Actors	Administrators, Registrar Users
Input Data	• User Information: – <u>Required</u>: Given Name, Family Name, Email – <u>Optional</u>: Middle Name, Title, Gender • Rating Information: – <u>Required</u>: Status, Department – <u>Optional</u>: Section, Registration Number, Specialty, Category • Contact Details: – <u>Optional</u>: Home Address, Postal Code, City, Country, Home Phone Number, Work Address, Postal Code, City, Work Country, Work Phone Number
Description	The user can add a lecturer by following the steps: 1. selects the Instructors option from the VURS's sidebar menu 2. clicks the button New 3. completes the new instructor form and submits it To be enabled the submit button, at least the required fields of the form need to be completed.
Output Data	A completion popup message is shown after the user's submission and the lecturer would be in the instructors list. If the user has given an invalid email, he/she cannot process to the submission and an indication "Email must be a valid email." appears.

5.3.5 Edit Lecturer

< Instructors

Papageorgiou Ioannis ⓘ Edit

General Information Other languages

User Information

Given Name * Family Name * Middle Name

Title Email * Gender * x ▼

Rating Information

Status * x ▼ Department Name Section

Registration Number Specialty Category

Contact Details

Home Address Postal Code City Country x ▼

Home Phone Number

Work Address Postal Code City Work Country

Work Phone Number

Submit

Figure 25: Edit Lecturer functionality

Table 9: Edit Lecturer functionality

Functionality Name	Edit Lecturer
Actors	Administrators, Registrar Users
Input Data	• User Information: – <u>Required</u>: Given Name, Family Name, Email – <u>Optional</u>: Middle Name, Title, Gender • Rating Information: – <u>Required</u>: Status, Department – <u>Optional</u>: Section, Registration Number, Specialty, Category • Contact Details: – <u>Optional</u>: Home Address, Postal Code, City, Country, Home Phone Number, Work Address, Postal Code, City, Work Country, Work Phone Number
Description	The user can change a lecturer's information by following the steps: • searches for a specific lecturer on Instructors page • clicks on the 3 dots next to the lecturer's name • selects Edit option. There is also an Edit button in the lecturer's preview page. • changes lecturer's information by editing his/her form and submits it
Output Data	A completion popup message is shown after the user's submission and the lecturer's preview page appears.

5.3.6 Search Students

The screenshot displays the 'Search Students' interface. At the top, there are tabs for 'Students', 'Active', and 'All'. A search bar is present with a 'Search...' placeholder and a 'More' dropdown. Below this, it indicates '23 Students' and an 'Actions' dropdown. The main table lists students with columns: Student Number, Full Name, Study Program, Specialty, Semester, Inscription Year, and Inscription Period. Two students are visible: Haas Britt (Student Number 000002, Semester 2) and Iliadou Georgia (Student Number 000003, Semester 1). Below the table is a search criteria form with fields for Student Number, Full Name, User name, Study Program, Inscription Mode, Inscription Year, Inscription Period, and Semester. There are also buttons for 'Search', 'Less', and 'Save current search'.

Figure 26: Search Students functionality: a) List of Students, b) Full search criteria

Table 10: Search Students functionality

Functionality Name	Search Students
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u>: Student number, Full name, User name, Study program, Inscription mode, Inscription year, Inscription Period, Semester Send message action: <u>Required</u>: Subject, Write a short message
Description	The user can search a group of lecturers or a specific lecturer by following the steps: - selects the Students option from the VURS's sidebar menu - selects between active students (default option) and all students from the tabs section - finds the group of students or a specific student on the list of students by searching/filtering students (by Student number, Full name, User name, Study program, Inscription mode, Inscription year, Inscription Period, Semester) and by sorting them (by Student number, Full name, Study program, Specialty, Semester, Inscription year, Inscription Period) To communicate with student(s): - check box next to each student - clicks arrow button next to Actions - selects Send message option completes the message form (Subject, Write a short message) and sends it The user can also perform the actions for student(s) (by selecting student(s) and clicking arrow button next to Actions): Calculate semester Change study program, Change specialty, Add program group, Request document.
Output Data	The list of the students that satisfy the defined requirements appears in the Students page. For "Send message" action, a loading bar appears and after the completion, the

	popup form closes.
--	--------------------

5.3.7 Preview Student

Students

Tobias Ramberg ID: 000008 ⓘ Edit Actions

Overview General Courses Theses Registrations Grades Archived documents
Requests Scholarships Internships Messages Graduation rules

Last Registration 2020-2021 Spring More

Registration Date	2/11/21, 12:33 PM
Courses	3
ECTS	11
Status	Closed

Active Requests More

Type	Status	Date	
General request	Active	3/5/21, 1:47 PM	View

1 Request to active

Recent Grades Academic Year 2020-2021 Spring Semester More

No records

Profile More



Tobias Ramberg
Active

Contact With Email Send Message

ID	000008
User name	tobias.ramberg@student.kit.edu
Semester	1
Department	EPICUR
Study Program	LANG
Specialty	C
Inscription Year	2020-2021 Spring

Passed Courses More

Type	Courses	ECTS
CO	3	11
Total	3	11

Internships 0 More

Theses 0 More

Scholarships 0 More

Figure 27: Preview Student functionality

Table 11: Preview Student functionality

Functionality Name	Preview Student
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u>: Student number, Full name, User name, Study program, Inscription mode, Inscription year, Inscription Period, Semester Send message action: <u>Required</u>: Subject, Body <u>Optional</u>: Attach files
Description	The user can view a student's information by following the steps: - searches for a specific student on Students page - clicks on the 3 dots next to the student's name - selects Preview option To communicate with student: - clicks Send message button on Profile section - completes the message form (Subject, Body, Attach files) and sends it - clicks OK button on confirmation window. There is the option to send email to student by clicking Contact With Email button, too The user can also perform the actions (by clicking Actions button): Preview

	study program, Request for student removal, Request for student suspension, Export report, New internship, Request document.
Output Data	The page with all the student's information is loaded where there are twelve tabs: Overview, General, Courses, Theses, Registrations, Grades, Archived documents, Requests, Scholarships, Internships, Messages, Graduation rules. For "Send message" action, a completion popup message shows up.

5.3.8 Edit Student

Students

Tobias Ramberg ID: 000008 🔍 Edit Actions

Student Information Inscription Information Study Program Personal Data Contact Details

Student Information

Student Number: 000008 Student Institute Number: 20180032025551 Given Name *: Tobias Family Name *: Ramberg

Father's Name: Mother's Name: Gender *: Male Nationality: ▼

Status *: Active

Submit

Figure 28: Edit Student functionality

Table 12: Edit Student functionality

Functionality Name	Edit Student
Actors	Administrators, Registrar Users
Input Data	Student Information: <u>Required</u>: Given Name, Family Name, Gender, Status <u>Optional</u>: Student Institute Number, Father's Name, Mother's Name, Nationality Inscription Information: <u>Required</u>: Inscription Year, Inscription Period, Inscription semester, Inscription date, Inscription mode <u>Optional</u>: Inscription Mode Category, Inscription index, Inscription decision, Inscription Number, Inscription points, Home institute, Home department/faculty, Home department/faculty description, Inscription Comments Study Program: <u>Required</u>: Department <u>Optional</u>: Study Program Personal Data: <u>Optional</u>: Citizen Information (Identity Card, Identity Type, Identity Date, Identity Authority, Citizen Registrar, Citizen Registrar Place, Citizen Registrar Region, Vat Number, Vat Office, SSN), Personal Information (Birth Date, Birth Place, Country, Birth Place Region, Spouse Name, Family Status, Military Status) Contact Details:

	– <u>Optional</u>: Home Contact Details (Country, Region, Postal Code, City, Address, Phone, Mobile Phone, Email), Temporary Contact Details (Country, Region, Postal Code, City, Address, Phone)
Description	The user can change a student's information by following the steps: • searches for a specific student on Students page • clicks on the 3 dots next to the student's name • selects Edit option. There is also an Edit button in the student's preview page. • changes student's information by editing his/her form and submits it
Output Data	A completion popup message is shown after the user's submission and the student's preview page appears.

5.3.9 Document request on behalf of student

New document request

Student Number: 8 Given Name: Tobias Family Name: Ramberg

Document template *
Specify the document template you want on behalf of student

Description
Specify an additional note that the request needs

Submit Cancel

Requests

Certificate request

Message Request 2/8/22, 4:51 PM

Learning Agreement

This action has not been claimed by someone user. Press [Claim action] to complete this request.

Application Details

CODE: a5QKfYS/QK4KhV44HDeba2DnpHKhQa9

DATE CREATED: 2/8/22, 4:51 PM

TYPE: Certificate request

STATUS: Active

Student Details

Given Name: Martina

Family Name: Garnier

ID: 000019

Status: Active

Inscription Year: 2021-2022

Figure 29: Document request on behalf of student functionality: a) request form, b) incomplete request

Table 13: Document request on behalf of student functionality

Functionality Name	Document request on behalf of student
Actors	Administrators, Registrar Users
Input Data	• <u>Required</u>: Document Template • <u>Optional</u>: Description
Description	The user can request for a document on behalf of a student by following the steps: • searches for a specific student on Students page • clicks on the 3 dots next to the student's name • selects Preview option

	- selects Request document option from Actions button - completes the form and submits it
Output Data	If the user has not selected the document template which is necessary, the message “Document type is missing” appears and the submission is not completed. Otherwise, the request page is loaded and the message “This action has not be claimed by someone user. Press [Claim action] to complete this request.” is shown. Claim action button finalise the document request.

5.3.10 Export student's report

Figure 30: Export student's report functionality

Table 14: Export student's report functionality

Functionality Name	Export student's report
Actors	Administrators, Registrar Users
Input Data	<u>Required</u>: Report Template, Document number series <u>Optional</u>: Digital signing, Document number, Image of signature
Description	The user can export a student's report by following the steps: - searches for a specific student on Students page - clicks on the 3 dots next to the student's name - selects Preview option - selects Export report option from Actions button - selects report template and the Next button is enabled - chooses if wants to enable digital signing, use of document number and upload an image of signature. Then, clicks Print button to export the report. If the feature use document number is enabled the document number series is required and the print button is disabled.
Output Data	The report is loaded and there are three options: download file, print file or close it to return in the previous page.

5.3.11 Search Courses

The screenshot displays the 'Search Courses' interface. At the top, there are tabs for 'Courses', 'All', 'Active', and 'Inactive'. A search bar is present with a 'Search...' placeholder and a 'More' dropdown. Below this, it indicates '133 Courses'. A table lists courses with columns: Display Code, Name, Department, Course Area, Course Category, and Identifier. Two courses are visible: GR100 (Contemporary Greek Literature - Poetry Specialised Topics of Modern Greek Philology III) and GR101 (Greece Today). Below the table is a search criteria form with fields for Name, Display Code, Course Structure, Instructor, Course Area, Course Sector, and Course Category. There are also buttons for 'Save current search', 'Search', and 'Less'.

Figure 31: Search Courses functionality: a) List of Courses, b) Full search criteria

Table 15: Search Courses functionality

Functionality Name	Search Courses
Actors	Administrators, Registrar Users
Input Data	Optional: Name, Display Code, Course Structure, Instructor, Course Area, Course Sector, Course Category
Description	The user can search a group of courses or a specific course by following the steps: • selects the Teaching->Courses option from the VURS's sidebar menu • selects between all courses, active courses (default option) and inactive courses from the tabs section • finds the group of courses or a specific course on the list of courses by searching/filtering courses (by Name, Display Code, Course Structure, Instructor, Course Area, Course Sector, Course Category) and by sorting them (by Display Code, Name, Department, Course Area, Course Category, Identifier)
Output Data	The list of the courses that satisfy the defined requirements appears in the Courses page.

5.3.12 Preview Course

Courses

Edit

UVA404 - Intensive Summer course

Overview

General

Classes

Exams

Study Programs

Course Classes

Academic Year 2021-2022

More

Title	Display code	Period	Status	Number of students	
Intensive Summer course	UVA404	Fall	Open	0	View

1 Class

Exams

Academic Year 2021-2022

More

No available Exams

Study Programs

More

No available study programs

Course Details

More

Intensive Summer course

Active Course

Course Code	UVA404
Instructor	
Units	6
ECTS	6
Department	EPICUR
Course Type	Simple
Shared	No

Course class details

Class Title *

Intensive Summer course

Period *

Academic Year *

Fall x

2021-2022 x

Maximum number of students

Week hours

Total hours

Class URL

Start date

End date

yyyy-MM-dd 📅

yyyy-MM-dd 📅

Set a URL for this course class e.g. a URL about virtual conference room

Set the start date of this course

Set the end date of this course

Schedule information

Normal B I U 🔗 ☰ ☷ ✎

A document which contains information about course class schedule like meeting pattern etc.

Submit

Cancel

Course Details

Course ID

Course Name

UVA404

Intensive Summer course

Exam details

Status *

Exam title *

Open x

Intensive Summer course

Period *

Academic Year *

2021-2022 x

Notes

Submit

Cancel

Figure 32: Preview Course functionality: a) Overview tab, b) Add class form, c) Add exam form

Table 16: Preview Course functionality

Functionality Name	Preview Course
Actors	Administrators, Registrar Users

Input Data	<u>Optional</u>: Name, Display Code, Course Structure, Instructor, Course Area, Course Sector, Course Category, Add class action: – <u>Required</u>: Class Title, Period, Academic Year – <u>Optional</u>: Maximum number of students, Week hours, Total hours, Class URL, Start date, End date, Schedule information Add exam action: – <u>Required</u>: Status, Exam title, Period, Academic Year – <u>Optional</u>: Notes
Description	The user can view a course's information by following the steps: – searches for a specific course on Courses page – clicks on the 3 dots next to the course – selects Preview option Add class action: – selects Classes tab – clicks + Add class button – completes course class details form and clicks Submit button Add exam action: – selects Exams tab – clicks + Add exam button – completes exam details form and clicks Submit button
Output Data	The page with all the course's information is loaded where there are five tabs: Overview, General, Classes, Exams, Study Programs. Upon adding classes/exam, a completion message appears and the list of classes/exams is updated.

5.3.13 Create Course

New Course

Course info

ID * Course code *

Course Name *

Subtitle Enabled * Units

ECTS Shared * Local * Grade Scale *

Course URL Calculated In Registration * Calculated In Scholarship * Identifier

Description

Details

Department * Provider

Instructor

Course Area Sector Course Structure Type *

Figure 33: Create Course functionality

Table 17: Create Course functionality

Functionality Name	Create Course
Actors	Administrators, Registrar Users
Input Data	Course info: <u>Required:</u> ID, Course code, Course Name, Enabled, Shared, Local, Grade Scale, Calculated In Registration, Calculated In Scholarship <u>Optional:</u> Subtitle, Units, ECTS, Course URL, Identifier, Description Details: <u>Required:</u> Department, Course Structure Type <u>Optional:</u> Provider (Provider department/faculty), Instructor, Course Area, Sector
Description	The user can create a new course by following the steps: - selects the Teaching->Courses option from the VURS's sidebar menu - clicks the button New - completes the new course form and submitting it To be enabled the submit button, at least the required fields of the form need to be completed.
Output Data	A completion popup message is shown after the user's submission and the course would be in the courses list.

5.3.14 Edit Course

< Courses

GR100 - Contemporary Greek Literature - Poetry Specialised Topics of Modern Greek Philology III

Edit

General information | Course description | Other languages

ID: 100 Course code: GR100

Course Name: Contemporary Greek Literature - Poetry Specialised Topics of Modern Greek Philology III

Subtitle: Enabled: Yes Units: 6

ECTS: 6 Shared: Yes Local: Yes Grade Scale: 0-10

Course URL: https://learn.epicur.education/ Calculated In Registration: Yes Calculated In Scholarship: Yes Identifier:

Description

Normal B I U Q E H

With the occasion of the 200th anniversary of the Greek Revolution of 1821, the course will explore its footprint in Modern Greek poetry, as well as on the European and universal literature by examining a series of poems, beginning with the work of Kalvos and Solomos who are considered to be the representative poets of the Greek Revolution. More specifically, the course will examine the ideological and aesthetic reflections of ideologies and concepts related to the Greek revolution (e.g. freedom, heroism, European politics, ancient and modern Greeks, etc.) on the poetic genre.

Details

Department: EPICUR European University Provider: Aristotle University of Thessaloniki

Provider department/faculty: Instructor: 19

Course Area: Modern Greek Sector: Course Category: Theory

Course Structure Type: Simple

Submit

Figure 34: Edit Course functionality

Table 18: Edit Course functionality

Functionality Name	Edit Course
Actors	Administrators, Registrar Users
Input Data	General information: <u>Required</u>: ID, Course code, Course Name, Enabled, Shared, Local, Grade Scale, Calculated In Registration, Calculated In Scholarship, Details (Department, Course Structure Type) <u>Optional</u>: Subtitle, Units, ECTS, Course URL, Identifier, Description, Details (Provider, Instructor, Course Area, Sector) Course description: <u>Optional</u>: Course syllabus, Learning outcome, General competencies, Additional information, Additional course url, Language of instruction, Focus language, Bibliography
Description	The user can change a course's information by following the steps: - searches for a specific course on Courses page - clicks on the 3 dots next to the specific course - selects Edit option. There is also an Edit button in the course's preview page. - changes course's information by editing the form and submits it
Output Data	A completion popup message is shown after the user's submission and the

	course's preview page appears.
--	--------------------------------

5.3.15 Search Classes

Classes Current All Export

Search More

55 Classes Open

	Display code	Title	Academic year	Period	Number of students	Class status	Identifier	Start	End
☐	ALUFR1002	Topics in European Identities: Memories, Images, Utopias	2021-2022	Fall	0	Open	195	10/6/21	12/10/21
☐	ALUFR703	Interscandinavian Communication and Translation	2021-2022	Fall	0	Open	195	10/18/21	

Title Display code
 With student limit Class status
 Saved searches Choose Save current search Search Less

Figure 35: Search Classes functionality: a) List of Classes, b) Full search criteria

Table 19: Search Classes functionality

Functionality Name	Search Classes
Actors	Administrators, Registrar Users
Input Data	Optional: Title, Display Code, With student limit, Class status
Description	The user can search a group of classes or a specific class by following the steps: - selects the Teaching->Classes option from the VURS's sidebar menu - selects between current classes (default option) and all classes from the tabs section - finds the group of classes or a specific class on the list of classes by searching/filtering classes (by Title, Display Code, With student limit, Class status) and by sorting them (by Display Code, Title, Academic year, Period, Number of students, Class status, Identifier, Start, End) The user can also perform the actions for class(es) (by selecting class(es) and clicking arrow button next to Open): Open, Close, Copy, Delete, Create exams.
Output Data	The list of the classes that satisfy the defined requirements appears in the Classes page.

5.3.16 Preview Class

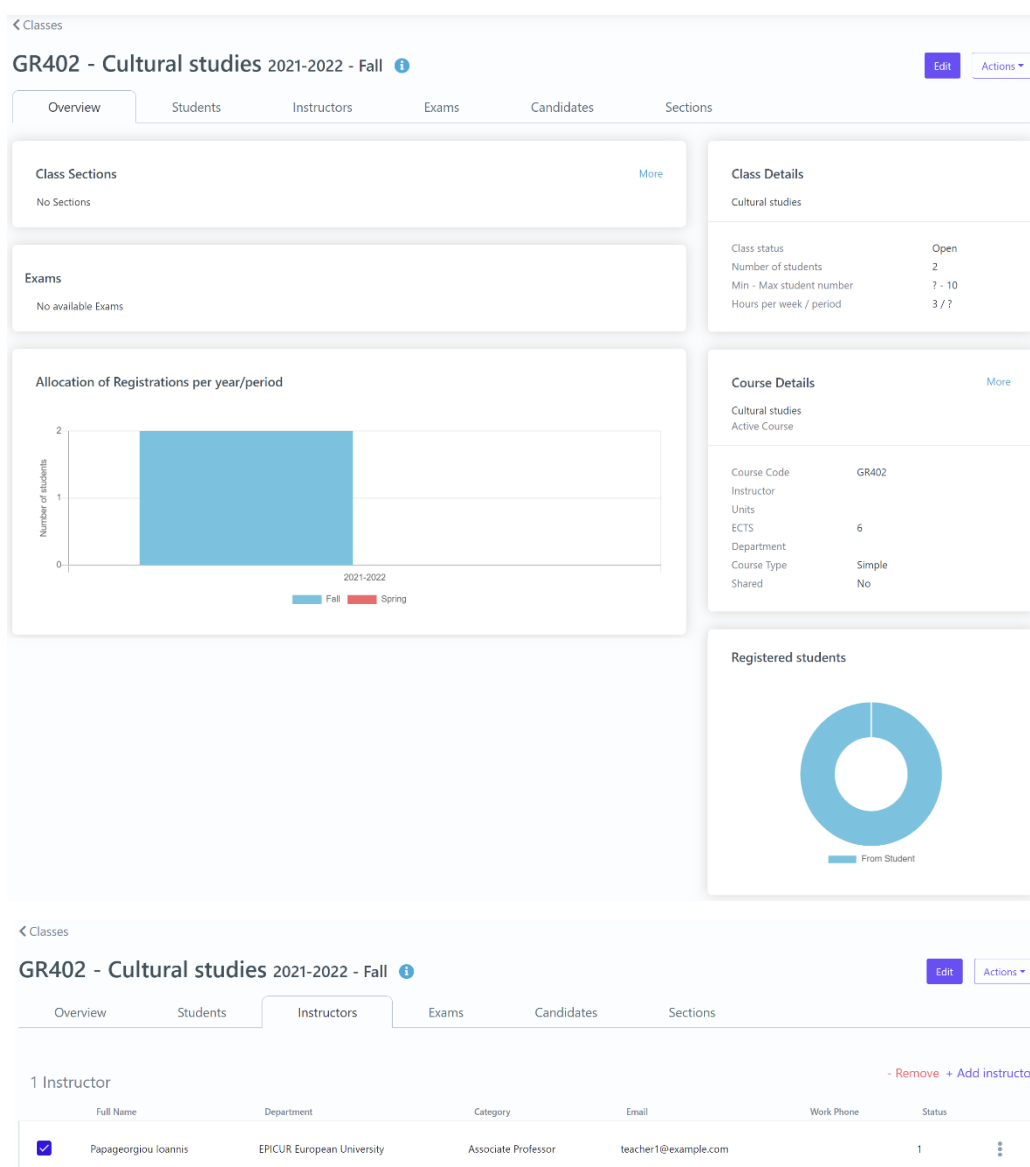


Table 20: Preview Class functionality

Functionality Name	Preview Class
Actors	Administrators, Registrar Users
Input Data	Optional: Title, Display Code, With student limit, Class status
Description	The user can view a class's information by following the steps: - searches for a specific class on Classes page - clicks on the 3 dots next to the class - selects Preview option Add lecturer action: - selects Instructors tab - clicks + Add instructor button - selects lecturer(s) by checking box(es) and clicks Apply button Remove lecturer action: - selects Instructors tab - selects lecturer (s) by checking box(es)

	• clicks Remove button • clicks OK button on the confirmation popup window
Output Data	The page with all the class's information is loaded where there are six tabs: Overview, Students, Instructors, Exams, Candidates, Sections. Upon adding or removing lecturers to a class, a completion message appears and the list of lecturers is updated.

5.3.17 Edit Class

Figure 37: Edit Class functionality

Table 21: Edit Class functionality

Functionality Name	Edit Class
Actors	Administrators, Registrar Users
Input Data	• Class Details: – Required: Title – Optional: Maximum number of students, Week hours, Total hours, Class URL, Start date, End date, Schedule information
Description	The user can change a class's information by following the steps: • searches for a specific course on Classes page • clicks on the 3 dots next to the specific class • selects Edit option. There is also an Edit button in the class's preview page. • changes class's information by editing the form and submits it
Output Data	A completion popup message is shown after the user's submission and the class's preview page appears.

5.3.18 Search Course Exams

Exams Current academic year All Completed New Export

Search Search... More ▾

8 Exams Open ▾

	Display code	Title	Year	Period	Graded students	Status	Date completed	Completed by
☐	AMU1100	Anthropology of the Everyday Life on the Balkans	2020-2021	Spring Final Examination		Completed	6/22/21	teacher1@example.com
☐	GR203	Communication for Development and Social Change	2020-2021	Spring Final Examination		Open		

Title: Display code:

Status: Year: Period:

Saved searches: Save current search Search Less ▴

Figure 38: Search Course Exams functionality: a) List of Course Exams, b) Full search criteria

Table 22: Search Course Exams functionality

Functionality Name	Search Course Exams
Actors	Administrators, Registrar Users
Input Data	Optional: Title, Display Code, Status, Period
Description	The user can search a group of course exams or a specific course exam by following the steps: - selects the Teaching->Exams option from the VURS's sidebar menu - selects between current academic year exams (default option), completed exams and all exams from the tabs section - finds the group of course exams or a specific course exam on the list of course exams by searching/filtering exams (by Title, Display Code, Status, Period) and by sorting them (by Display Code, Title, Year, Period, Graded students, Status, Date completed, Completed by) The user can also perform the actions for exam(s) (by selecting exam(s) and clicking arrow button next to Open): Open, Close, Delete.
Output Data	The list of the course exams that satisfy the defined requirements appears in the Exams page.

5.3.19 Preview Course Exam

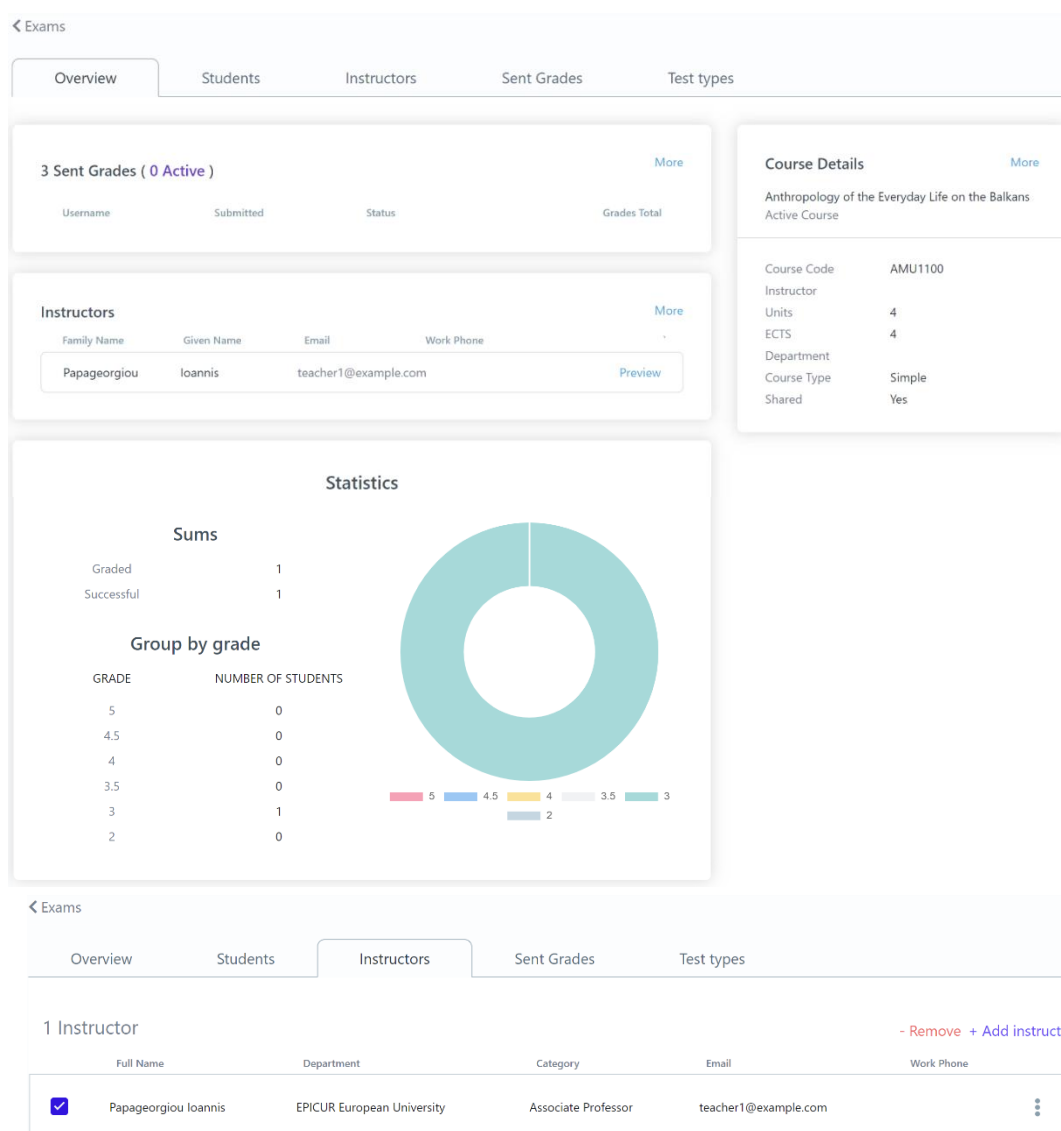


Figure 39: Preview Course Exam functionality a) Overview tab, b) Instructors tab

Table 23: Preview Course Exam functionality

Functionality Name	Preview Course Exam
Actors	Administrators, Registrar Users
Input Data	Optional: Title, Display Code, Status, Period
Description	The user can view a course exam's information by following the steps: - searches for a specific course exam on Exams page - clicks on the 3 dots next to the class - selects Preview option Add lecturer action: - selects Instructors tab - clicks + Add instructor button - selects lecturer(s) by checking box(es) and clicks Apply button Remove lecturer action: - selects Instructors tab - selects lecturer (s) by checking box(es)

	- clicks Remove button - clicks OK button on the confirmation popup window
Output Data	The page with all the course exam's information is loaded where there are five tabs: Overview, Students, Instructors, Sent Grades, Test types. Upon adding or removing lecturers to a course exam, a completion message appears and the list of lecturers is updated

5.3.20 Edit Course Exam

< Exams

Accompanying Anthropocene-Related Transitions (Societal, Environmental, Digital...): Intercultural Approaches

[Edit](#) [Actions](#)

2021-2022 - Winter Final Examination

Exam Information

Course ID

UHA1001

Status

Open

Period

Winter Final Examination

Exam date

dd/MM/yyyy

Graded students

Notes

[Submit](#)

Course title

Accompanying Anthropocene-Related Transitions (Societal, Environmental, Digital...): Intercultural Approaches

Exam name

Accompanying Anthropocene-Related Transitions (Societal, Environmental, Digital...): Intercultural Approaches

Year

2021-2022

Completion date

dd/MM/yyyy

Completed by

Result date

dd/MM/yyyy

Grade Scale *

Percentage

Decimal digits

2

Figure 40: Edit Course Exam functionality

Table 24: Edit Course Exam functionality

Functionality Name	Edit Course Exam
Actors	Administrators, Registrar Users
Input Data	- Exam Information: <u>Optional</u>: Exam name, Exam date, Result date, Decimal digits, Notes
Description	The user can change a course exam's information by following the steps: - searches for a specific course on Exams page - clicks on the 3 dots next to the specific course exam - selects Edit option. There is also an Edit button in the course exam's preview page. - changes course exam's information by editing the form and submits it
Output Data	A completion popup message is shown after the user's submission and the course exam's preview page appears.

5.3.21 Grade Submission action

◀ Back to list

Lambropoulos Konstantinos
(teacher2@example.com)

Submitted
5/23/22, 10:14 PM

Status
Active

Digital Signature
Exam document does not contain a digital signature

Upload Number
WZBCUFWBvTZVRmun9WsUM8v6XwUce9Ko

Attachment
2020-2021_Spring Final Examination_AMU1200_Croatian Language for Beginners.xlsx

Croatian Language for Beginners
Exam Period - Spring Final Examination 2020-2021

Spring 2020-2021 EPICUR European University
AMU1200 Units: 6 ECTS: 6

Grades Total : 1

Full Name	Student Number	Grade
Ramberg Tobias	000008	4,5

Reject Approve

Figure 41: Grade Submission action functionality

Table 25: Grade Submission action functionality

Functionality Name	Grade Submission action
Actors	Administrators, Registrar Users
Input Data	-
Description	The user can accept/reject a grade submission by following the steps: - visits the preview page of a specific course exam - selects Sent Grades tab - clicks on grades submission with an active status by selecting More option and Show button in Submitted Grades category. - clicks Approve or Reject button - clicks YES button on confirmation popup window
Output Data	A completion message shows up. If the user selects to approve the grades submission, the status changes to Completed . Otherwise, the status changes to Failed .

5.3.22 Search Mobilities

Study Programs Active All ⋮ New Export

Search Search... More ▾

9 Study Programs

Active	Title	Department Name	Study Level	Semesters	Abbreviation	Grade Decimal Digits
Yes	Modern Greek	EPICUR European University	Undergraduate	1	MOGR	2
Yes	Slavonic	EPICUR European University	Undergraduate	1	SLAV	2

Title

Study Level

Abbreviation

Saved searches Choose Save current search Search Less

Figure 42: Search Mobilities functionality: a) List of Mobilities, b) Full search criteria

Table 26: Search Mobilities functionality

Functionality Name	Search Mobilities
Actors	Administrators, Registrar Users
Input Data	Optional: Title, Study Level, Abbreviation
Description	The user can search a group of mobilities or a specific mobility by following the steps: • selects the Study Programs option from the VURS's sidebar menu • selects between active mobilities (default option) and all mobilities from the tabs section • finds the group of mobilities or a specific mobility on the list of study programs by searching/filtering mobilities (by Title, Study Level, Abbreviation) and by sorting them (by Active, Title Department Name, Study Level, Semesters, Abbreviation, Grade Decimal Digits)
Output Data	The list of the mobilities that satisfy the defined requirements appears in the Study Programs page.

5.3.23 Preview Mobility

Study Programs

Modern Greek 1 Edit

Overview Learning Pathways CORE BEGINNER INTERMEDIATE ADVANCED

Learning Pathways

Title

CORE

Advanced

Beginner

Intermediate

Study program info

Modern Greek

Active

Department Name: EPICUR European University

Semesters: 1

Abbreviation: MOGR

Study Level: Undergraduate

Updated on: 1/23/21

Fees: No

Specialty selection semester: 1

Degree decimal digits: 2

Grade scale: 0-10

Degree title:

Active students

Totals

All active students: 2

Active students

Learning Pathway: BE

Number of students: 2



Statistics - Student status in study program

Totals

Students: 5

Students

Status: Number of students

Active: 2

Removed: 3



Add study program courses

Select courses Edit attributes

Search... Q Filters All + Add item

Display Code	Name	Department	Course Area	Course Sector	Course Category
☒ GR100	Contemporary Greek Literature - Poetry Specialised Topics of Modern Greek Philology III	EPICUR	Modern Greek		Theory
☐ GR101	Greece Today	EPICUR	Modern Greek		
☐ ALUFR100	Polish Intermediate Course	EPICUR	Slavonic		Theory
☐ ALUFR1001	Collaboration Across Cultures: A Case Method Approach	EPICUR	European Identities		
☐ ALUFR1002	Topics in European Identities: Memories, Images, Utopias	EPICUR	European Identities		
☐ ALUFR1003	Polish Business Studies: From the past to the future	EPICUR	European Identities		

Items per page: 10 1-10 of 133 << < > >>

OK Cancel

Figure 43: Preview Mobility functionality: a) Overview tab, b) add course form

Table 27: Preview Mobility functionality

Functionality Name	Preview Mobility
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u>: Title, Study Level, Abbreviation - Add/Edit learning pathway action: <u>Required</u>: Name, Abbreviation <u>Optional</u>: Write a short description for this learning pathway

	• Add/Edit course action: – <u>Required</u>: Type, Units, Coefficient, ECTS – <u>Optional</u>: Semester
Description	The user can view a mobility's information by following the steps: • searches for a specific mobility on Study Programs page • clicks on the 3 dots next to the mobility • selects Preview option Add learning pathway action: • selects Learning Pathways tab • clicks + New button • completes new learning pathway form and clicks Submit button Remove learning pathway action: • selects Learning Pathways tab • selects learning pathway(s) by checking box(es) • clicks – Remove item button • clicks OK button on the confirmation popup window Edit learning pathway action: • selects Learning Pathways tab • clicks edit icon next to the learning pathway • changes learning pathway's information by editing learning pathway form and clicks Submit button Add course action: • selects a specific learning pathway tab • clicks arrow button next to Edit • selects Add course option • selects courses • selects Edit attributes tab • completes attributes form and clicks OK button Remove course action: • selects a specific learning pathway tab • selects course(s) by checking box(es) • clicks arrow button next to Edit • selects Remove course option • clicks YES button on the confirmation popup window Edit course action: • selects a specific learning pathway tab • clicks edit icon next to the learning pathway or selects course by checking box and clicks Edit button • changes course's attributes by editing study program course form and clicks Submit button
Output Data	The page with all the mobility's information is loaded where there are some tabs: Overview, Learning pathways and a tab for each learning pathway. Upon adding, removing or editing learning pathways/courses to a mobility, the list of learning pathways/courses and the tabs are updated.

5.3.24 Create Mobility

Study Programs

New study program

General information

Study program description

Name *

Set the name of this study program

Degree description *

Set the degree description

Printable display name *

Set printable display name of this item

Active *

Yes

Abbreviation *

Set a short name

Study Level *

Set study level of this study program

Semesters *

Recommended semesters for completion of this study program

Grade Scale *

Study title type *

Decimal digits *

Alternate name

Set an alternate name for study program (probably for printing)

Color

Set an html color for this study program.

Notes

Submit

Figure 44: Create Mobility functionality

Table 28: Create Mobility functionality

Functionality Name	Create Mobility
Actors	Administrators, Registrar Users
Input Data	- General Information: <u>Required</u>: Name, Degree description, Printable display name, Active, Abbreviation, Study Level, Semesters, Grade Scale, Study title type, Decimal digits <u>Optional</u>: Alternate name, Color, Notes - Study program description: <u>Optional</u>: Official duration, Access requirements, Mode of study, Grading system, Degree requirements, Access to further study, Language of instruction, Additional information, Further information
Description	The user can create a mobility by following the steps: - selects the Study Programs option from the VURS's sidebar menu - clicks the button New - completes the new mobility form and submits it To be enabled the submit button, at least the required fields of the form need to be completed.
Output Data	A completion popup message is shown after the user's submission and the mobility would be in the study programs list.

5.3.25 Edit Mobility

Study Programs

Modern Greek

General Information Study program description Other languages

Name * Modern Greek Department EPICUR European University

Set the name of this study program

Degree description * Modern Greek Printable display name * Modern Greek

Set the degree description Set printable display name of this item

Abbreviation * MOGR Active * true

Study Level Undergraduate Semesters * 1 Decimal digits * 2

Grade Scale * 0-10 Study title type * Degree

Alternate name Color

Set an alternate name for study program (probably for printing) Set an html color for this study program.

Description

Normal B I U Link List Link

Submit

Figure 45: Edit Mobility functionality

Table 29: Edit Mobility functionality

Functionality Name	Edit Mobility
Actors	Administrators, Registrar Users
Input Data	- General Information: <u>Required</u>: Name, Degree description, Printable display name, Abbreviation, Active, Semesters, Decimal digits, Study title type <u>Optional</u>: Study Level, Alternate name, Color, Description - Study program description: <u>Optional</u>: Official duration, Access requirements, Mode of study, Grading system, Degree requirements, Access to further study, Language of instruction, Additional information, Further information
Description	The user can change a mobility's information by following the steps: - searches for a specific mobility on Study Programs page - clicks on the 3 dots next to the mobility - selects Edit option. There is also an Edit button in the mobility's preview page. - changes mobility's information by editing his/her form and submits it
Output Data	A completion popup message is shown after the user's submission and the mobility's preview page appears.

5.3.26 Search Applications

Candidates

Manage the list of candidates by accepting or rejecting their applications.

The screenshot displays the 'Candidates' management interface. At the top, there is a search bar with a 'Search' button and a 'More' dropdown. Below this, it indicates '65 Requests' and an 'Accept' button with a dropdown arrow. The main area shows a table of applications with columns: Full Name, Institute, Study Program, Submitted at, Date modified, Rating, Accepted, and Status. Two entries for 'Moore Lisa' at 'UVA' for a 'PhD Exchange Programme' are visible, both with a 'Potential' status and an eye icon. Below the table is a search criteria panel with dropdowns for 'Study Program', 'Institute', and 'Status'. A 'Candidate' search bar is also present. At the bottom, there are 'Saved searches' and a 'Search' button.

Figure 46: Search Applications functionality: a) List of Applications, b) Full search criteria

Table 30: Search Applications functionality

Functionality Name	Search Applications
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u>: Study Program, Candidate (name or email), Institute, Status Send message action: – <u>Required</u>: Subject, Write a short message
Description	The user can search a group of applications or a specific application by following the steps: • selects the Candidates option from the VURS's sidebar menu • finds the group of applications or a specific application on the list of candidates by searching/filtering applications (by Study Program, Candidate (name or email), Institute, Status) and by sorting them (by Full Name, Institute, Study Program, Submitted at, Date modified, Rating, Accepted, Status) To communicate with student(s): • selects application(s) by checking box(es) • clicks arrow button next to Accept • selects Compose new message or Send a direct message to candidate • completes the message form (Subject, Write a short message) and sends it by clicking Start button The user can also perform the actions for an application (by clicking arrow button next to Accept): Accept, Reject, Export.
Output Data	The list of the mobilities that satisfy the defined requirements appears in the Candidates page. For "Send message" action, a loading bar appears and after the completion the popup form closes.

5.3.27 Preview Application

Edit item (Study program application)

Study program application

Lisa Thomas

Study program

Mobility program

Language and Culture

Academic year

2020-2021

Academic period

Spring

Personal information

First name *

Lisa

Surname *

Thomas

Institutional email address

lisa.thomas@students.uva.nl

Education information

☐ I have a previous academic training with more than 60 ECTS

☐ I have proficiency in language of instruction

What is your motivation / what were you hoping for?

Test

Review

This item has not been reviewed yet. [add](#)

Courses

✓ GR101 Greece Today

Completed

employee1@example.com added a review for this item. [edit](#)

test review

Rating: 75

Accept

+

✗ AMU1200 Croatian Language for Beginners

Cancelled

employee1@example.com added a review for this item. [edit](#)

Rating: 80

Accept

+

✓ AMU1400 Finnish Language

Completed

Accept

+

Attachments

Proficiency in language of instruction application/pdf

Modified at 5/7/21, 3:27 PM

Preview

+

Certificate of previous academic training application/pdf

Modified at 5/7/21, 3:27 PM

Preview

+

Messages

[compose new message](#)

Test

5/7/21, 3:28 PM

Test message from candidate

Details

CREATED AT

5/7/21, 3:26 PM

STATUS

Active

Candidate

Given Name

Lisa

Family Name

Thomas

Institute

UVA

Accept

+

Close

Figure 47: Preview Application functionality

Table 31: Preview Application functionality

Functionality Name	Preview Application
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u> : Study Program, Candidate (name or email), Institute, Status
Description	The user can view an application by following the steps: - searches for a specific application on Candidates page - clicks on the eye button next to the application
Output Data	The page with all the application's information is loaded, including: Details, Study program, Personal information, Education information, What is your motivation / what were you hoping for?, Courses, Attachments, Messages.

5.3.28 Application Actions

Figure 48: Application Actions functionality

Table 32: Application Actions functionality

Functionality Name	Application Actions
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u> : Review (Write a short review for this item, Rating (<u>Required</u>)), Message (Subject, Write a short message, file)
Description	The user can review an application, update its status (accept, reject, revert to active, reset to pending) and communicate with the candidate by following the steps: To review an application: - visits the preview page of a specific application - clicks add button next to the message “This item has not been reviewed yet.” on Review section or on each course. For a course, there is the option to review it by selecting Review option on the arrow button next to Accept button. There is also, the option to edit an existing review - completes the review form (Write a short review for this item, Rating) and submits it To update status: - visits the preview page of a specific application - for a course, next to it, selects Accept, Reject or Reset option. For the whole application, next to “Study program application”, selects Accept, Reject, Revert to active or Reset application to pending To communicate with the candidate: - visits the preview page of a specific application - clicks compose new message on Message section - completes the message form (Subject, Write a short message, attach file) and sends it
Output Data	For “Review” and “Send message” actions, the result is shown in the application. For “Change status” action, a confirmation box appears first to finalise this action.

5.3.29 Search Student Requests

Requests Active All (this department) Document Requests

Search Search... More ▾

9 Requests

Additional Type	Student Identifier	Full Name	Student Status	Request date	Request Status
Certificate request	000017	Student Test	Active	5/3/22	Active
Certificate request	000019	Garnier Martina	Active	2/8/22	Active

Student Number Full Name Student Status

Study Program

Saved searches Choose Save current search Search Less ▴

Figure 49: Search Student Requests functionality: a) List of Student Requests, b) Full search criteria

Table 33: Search Student Requests functionality

Functionality Name	Search Student Requests
Actors	Administrators, Registrar Users
Input Data	Optional: Student Number, Full Name, Student Status, Study Program
Description	The user can search a group of student requests or a specific student request by following the steps: - selects the Requests option from the VURS's sidebar menu - selects between active requests (default option), all (this department) requests and document requests from the tabs section - finds the group of student requests or a specific student request on the list of requests by searching/filtering student requests (by Student Number, Full Name, Student Status, Study Program) and by sorting them (by Additional Type, Student Identifier, Full Name, Student Status, Request date, Request Status)
Output Data	The list of the student requests that satisfy the defined requirements appears in the Requests page.

5.3.30 Preview Student Request

Figure 50: Preview Student Request functionality

Table 34: Preview Student Request functionality

Functionality Name	Preview Student Requests
Actors	Administrators, Registrar Users
Input Data	<u>Optional</u>: Student Number, Full Name, Student Status, Study Program Send message action: <u>Required</u>: Message for user <u>Optional</u>: Attach files
Description	The user can view an application by following the steps: - searches for a specific student request on Requests page - clicks on the 3 dots next to the request - selects Preview option To communicate with student: - completes the message form on Send a message section - clicks Send message button The user can also perform the actions (by clicking Actions button): Accept, Reject, Release.
Output Data	The page with all the student request's information is loaded, including: all the available actions. For "Send message" action, the result is shown in the Response section. The other actions change requests' status.

5.3.31 Search Student Registrations

The screenshot shows the 'Registrations' page. At the top, there are tabs for 'Current academic year' and 'All'. To the right are 'New' and 'Export' buttons. Below this is a search bar with a 'Search...' placeholder and a 'More' dropdown. The main section displays '7 Registrations' with an 'Open' button. A table lists the registrations with columns: Student Identifier, Student Full Name, Registration Date, Semester, Period, Academic Year, Status, and Synchronization. Two rows are visible, both for 'Garnier Martina' with registration date '7/23/21', semester '1', period 'Fall', academic year '2021-2022', and status 'Closed'. The first row has a 'Partial' synchronization, while the second has a hyphen. Below the table is a search criteria form with fields for 'Student name', 'Student Identifier', 'Status' (a dropdown), and 'Academic period' (a dropdown). At the bottom of the form are 'Saved searches' (a dropdown with 'Choose'), a 'Save current search' button, a 'Search' button, and a 'Less' link.

Student Identifier	Student Full Name	Registration Date	Semester	Period	Academic Year	Status	Synchronization
000019	Garnier Martina	7/23/21	1	Fall	2021-2022	Closed	Partial
000020	Garnier Martina	7/23/21	1	Fall	2021-2022	Closed	-

Figure 51: Search Student Registrations functionality: a) List of Student Registrations, b) Full search criteria

Table 35: Search Student Registrations functionality

Functionality Name	Search Student Registrations
Actors	Administrators, Registrar Users
Input Data	Optional: Student Name, Student Identifier, Status, Academic period
Description	The user can search a group of student registrations or a specific student registration by following the steps: • selects the Registrations option from the VURS's sidebar menu • selects between current academic year registrations (default option) and all registrations from the tabs section • finds the group of student registrations or a specific student registration on the list of registrations by searching/filtering student registrations (by Student Name, Student Identifier, Status, Academic period) and by sorting them (by Student Identifier, Student Full Name, Registration Date, Semester, Period, Academic Year, Status, Synchronisation) The user can perform the actions for a student registration (by clicking arrow button next to Open): Open, Close, Synchronise data to VCLP.
Output Data	The list of the student registrations that satisfy the defined requirements appears in the Registrations page.

5.3.32 Search Internships

The screenshot displays the 'Search Internships' interface. At the top, there are tabs for 'All', 'Active', and 'Available', with 'Active' selected. A search bar with a magnifying glass icon and a 'More' dropdown is present. Below the search bar, it shows '4 Internships' and a '+ Add item' link. A table lists the internships with columns: Position, Student Number, Full name, Student status, Academic year, Academic period, Start date, Completed date, and Company/Organization. Two internships are listed: 'Online Language Facilitator' by Overmars Robert and 'Software Developer' by Haas Britt. Below the table is a search criteria form with fields for Position, Student, Academic year, Academic period, and Start date. At the bottom, there are 'Saved searches' and a 'Search' button.

Position	Student Number	Full name	Student status	Academic year	Academic period	Start date	Completed date	Company/Organization
Online Language Facilitator	000018	Overmars Robert	Active	2020-2021	Spring	4/15/21		Anazitites Theatrou
Software Developer	000002	Haas Britt	Active	2020-2021	Spring	4/20/21		Test Company

Figure 52: Search Internships functionality: a) List of Internships, b) Full search criteria

Table 36: Search Internships functionality

Functionality Name	Search Internships
Actors	Administrators, Registrar Users
Input Data	Optional: Position, Student, Academic year, Academic period, Start date
Description	The user can search a group of internships or a specific internship by following the steps: - selects the More->Internships option from the VURS's sidebar menu - selects between all internships, active internships (default option) and available internships from the tabs section - finds the group of internships or a specific internship on the list of internships by searching/filtering them (by Position, Student, Academic year, Academic period, Start date) and by sorting them (by Position, Student Number, Full name, Student Status, Academic year, Academic period, Start date, Completed dates)
Output Data	The list of the internships that satisfy the defined requirements appears in the Internships page.

5.3.33 Preview Internships

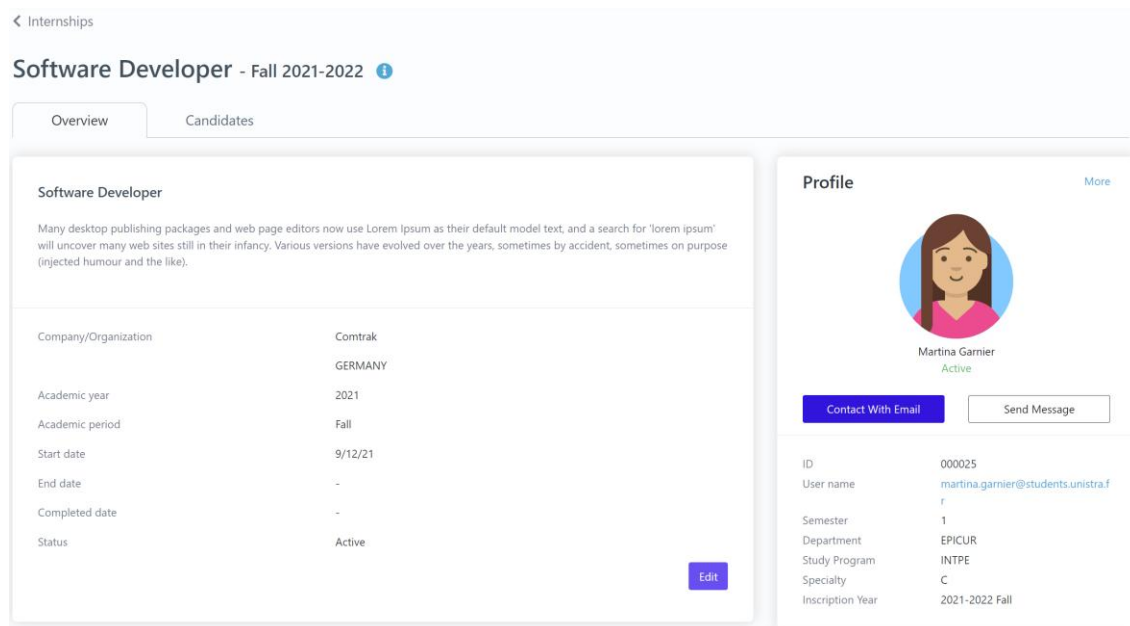


Figure 53: Preview Internships functionality

Table 37: Preview Internships functionality

Functionality Name	Preview Internships
Actors	Administrators, Registrar Users
Input Data	Optional: Position, Student, Academic year, Academic period, Start date
Description	The user can view an internship's information by following the steps: - searches for a specific internship on Internships page - clicks on lens icon next to the internship
Output Data	The page with all the internship's information is loaded where there are some tabs: Overview, Candidates.

5.3.34 Create Internship

New internship

Internship Information

Department
EPICUR European University

Mobility program *
Select the mobility program where this internship is available

Academic year *
2021-2022

Academic period *
Fall

Start date *
16/05/2022

Status *

Search for a company or organization *

Position *

Title

Write a short description about this internship or exchange programme

Position default preferences
Use the following form to set default preferences about the selected position:

Starting month
Starting year

Duration

Description *

Normal B I U

Submit Cancel

Figure 54: Create Internship functionality

Table 38: Create Internship functionality

Functionality Name	Create Internship
Actors	Administrators, Registrar Users
Input Data	Internship Information: <u>Required:</u> Mobility program, Academic year, Academic period, Start date, Status, Search for a company or organisation, Position, Description <u>Optional:</u> Title, Starting month, Starting year, Duration
Description	The user can create an internship by following the steps: - selects the More->Internship option from the VURS's sidebar menu - clicks the button + Add item - completes the new internship form and submits it To be enabled the submit button, at least the required fields of the form need to be completed.
Output Data	A completion popup message is shown after the user's submission and the internship would be in the study programs list.

5.3.35 Edit Internship

Edit internship

Internship Information

Department
EPICUR European University

Mobility program *
Internships in private enterprises and light service learning course
Select the mobility program where this internship is available

Academic year *
2021-2022

Academic period *
Fall

Start date *
12/09/2021

Status *
Active

Search for a company or organization

Company Information

Name *
Contrak

Type
Private Enterprise

Address
550 Hendrix Street, Crawfordsville

Country
Germany

Phone
(940) 548-2865

Position *
Software Developer

Write the job description of this internship or exchange programme

Title

Write a short description about this internship or exchange programme

Position default preferences

Use the following form to set default preferences about the selected position:

Starting month
Starting year

Duration

Description *

Normal | B | I | U | | |

Many desktop publishing packages and web page editors now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will uncover many web sites still in their infancy. Various versions have evolved over the years, sometimes by accident, sometimes on purpose (injected humour and the like).

Student Information

Student
000025 | Garnier Martina

Given Name
Martina

Family Name
Garnier

Status
Active

Inscription Year
2021-2022

Inscription Period
Fall

Semester
1

Submit Cancel

Figure 55: Edit Internship functionality

Table 39: Edit Internship functionality

Functionality Name	Edit Internship
Actors	Administrators, Registrar Users
Input Data	Internship Information: <u>Required:</u> Mobility program, Academic year, Academic period, Start date, Status, Position, Description <u>Optional:</u> Search for a company or organisation, Title, Starting month, Starting year, Duration
Description	The user can change an internship's information by following the steps: - searches for a specific internship on Internships page - clicks on the edit icon next to the position of the internship - changes internship's information by editing the form and submits it
Output Data	After the user's submission the internships information changes.

5.3.36 Search Companies/Organisations

Companies and organizations
Manage companies and organizations which offer internships for students.

Search More ▾

36 items + Add item

	Name	Country	Type	Address	Phone	
☐	Test Company	Greece	Private Enterprise	Atreidon 240 Thessaloniki	231000000	
☐	Anazitites Theatrou	Greece	Civil Society Organization			

Type Country

Saved searches Save current search Search Less ▴

Figure 56: Search Companies/Organisations functionality: a) List of Companies/Organisations, b) Full search criteria

Table 40: Search Companies/Organisations functionality

Functionality Name	Search Companies/Organisations
Actors	Administrators, Registrar Users
Input Data	Optional: Type, Country
Description	The user can search a group of companies/Organisations or a specific company/organisation by following the steps: - selects the More->Settings option from the VURS's sidebar menu - searches for Companies and Organisations and clicks Expand button - finds the group of companies/Organisations or a specific company/organisation on the list of companies and Organisations by searching/filtering them (by Type, Country) and by sorting them (by Name, Country, Type, Address, Phone) Remove item action: - selects company(ies)/organisation(s) by checking box(es) - clicks – Remove item button - clicks OK button on the confirmation popup window
Output Data	The list of the companies/Organisations that satisfy the defined requirements appears in the Companies and Organisations page. Upon removing companies/Organisations, the list of companies/Organisations is updated.

5.3.37 Add Company/Organisation

New item

Name * Country *

Set the name of this item

Type

Description

Write a short description for this item

Postal address Phone number

Email address

Submit Cancel

Figure 57: Add Company/Organisation functionality

Table 41: Add Company/Organisation functionality

Functionality Name	Add Company/Organisation
Actors	Administrators, Registrar Users
Input Data	• <u>Required</u>: Name, Country • <u>Optional</u>: Type, Description, Postal address, Phone number, Email address
Description	The user can add a company/organisation by following the steps: • selects the More->Settings option from the VURS's sidebar menu • searches for Companies and Organisations and clicks Expand button • clicks the button + Add item • completes the new item form and submits it
Output Data	A completion popup message is shown after the user's submission and the company/organisation would be in the companies and Organisations list.

5.3.38 Edit Company/Organisation

Edit item

Name * Country *

Set the name of this item

Type

Description

Write a short description for this item

Postal address Phone number

Email address

Figure 58: Edit Company/Organisation functionality

Table 42: Edit Company/Organisation functionality

Functionality Name	Edit Company/Organisation
Actors	Administrators, Registrar Users
Input Data	• <u>Required</u>: Name, Country • <u>Optional</u>: Type, Description, Postal address, Phone number, Email address
Description	The user could change the information of a company/organisation by following the steps: • searches for a specific company/organisation on Companies and Organisations page • clicks on the edit icon next to the company/organisation • changes company's/organisation's information by editing the form and submits it
Output Data	A completion popup message is shown after the user's submission and the Companies and Organisations page appears.

5.3.39 Search Company Types

Settings

Company types
Manage company types which offer internships for students.

3 items + Add item

	Name	Description	Alternate name	
☐	Civil Society Organization		CivilSocietyOrganization	
☐	Private Enterprise		PrivateEnterprise	
☐	Research Institutions		ResearchInstitutions	

Figure 59: Search Company Types functionality

Table 43: Search Company Types functionality

Functionality Name	Search Company Types
Actors	Administrators, Registrar Users
Input Data	-
Description	The user can search a group of company types or a specific company type by following the steps: • selects the More->Settings option from the VURS's sidebar menu • searches for Company types and clicks Expand button • finds the group of company types or a specific company type on the list of company types by sorting them (by Name, Description, Alternate name) Remove item action: • selects company type(s) by checking box(es) • clicks – Remove item button • clicks OK button on the confirmation popup window
Output Data	The sorted list of the company types appears in the Company types page. Upon removing company types, the list of company types is updated.

5.3.40 Add Company Type

Company types

New item

Name *

Set the name of this item

AlternateName *

Set an alternate name for this item. This name will be used to identify items

Description

Write a short description for this item

Identifier

Set an identifier that is going to be used either by an external system or by internal processes

Submit Cancel

Figure 60: Add Company Type functionality

Table 44: Add Company Type functionality

Functionality Name	Add Company Type
Actors	Administrators, Registrar Users
Input Data	• <u>Required</u>: Name, Alternate Name • <u>Optional</u>: Description, Identifier
Description	The user can add a company type by following the steps: • selects the More->Settings option from the VURS's sidebar menu

	- searches for Company types and clicks Expand button - clicks the button + Add item - completes the new item form and submits it
Output Data	A completion popup message is shown after the user's submission and the company type would be in the company types list.

5.3.41 Edit Company Type

Company types

Edit item

Name *

Civil Society Organization

Set the name of this item

AlternateName *

CivilSocietyOrganization

Set an alternate name for this item. This name will be used to identify items

Description

Write a short description for this item

Identifier

1001

Set an identifier that is going to be used either by an external system or by internal processes

Submit Cancel

Figure 61: Edit Company Type functionality

Table 45: Edit Company Type functionality

Functionality Name	Edit Company Type
Actors	Administrators, Registrar Users
Input Data	<u>Required</u>: Name, Alternate Name <u>Optional</u>: Description, Identifier
Description	The user can change the information of a company type by following the steps: - searches for a specific company type on Company types page - clicks on the edit icon next to the company type - changes company type's information by editing the form and submits it
Output Data	A completion popup message is shown after the user's submission and the Company types page appears.

5.3.42 Search Archived Documents

Archived Documents

DOCUMENT SERIES 2020-2021

Search Search... More ▾

23 Archived Documents

Document number	Description	Created at	Modified at	Signed	Published	
2022/05/0023	Transcript of Records [000020] Garnier Martina	5/10/22, 2:44 PM	5/10/22, 2:44 PM	No	No	
2022/05/0022	Transcript of Records [000017] Student Test	5/3/22, 5:37 PM	5/3/22, 5:37 PM	No	No	

Document number

Signed

Description

Published

Saved searches Choose ▾ Save current search Search Less ▴

Figure 62: Search Archived Documents functionality: a) List of Archived Documents, b) Full search criteria

Table 46: Search Archived Documents functionality

Functionality Name	Search Archived Documents
Actors	Administrators, Registrar Users
Input Data	Optional: Document number, Signed, Description, Published
Description	The user can search a group of archived documents or a specific archived document by following the steps: - selects the More->Archived Documents option from the VURS's sidebar menu - finds the group of archived documents or a specific archived document on the list of archived documents by searching/filtering them (by Document number, Signed, Description, Published) and by sorting them (by Document number, Description, Created at, Modified at, Signed, Published)
Output Data	The list of the archived documents that satisfy the defined requirements appears in the Archived Documents page.

5.3.43 Search Lists/Enumerations

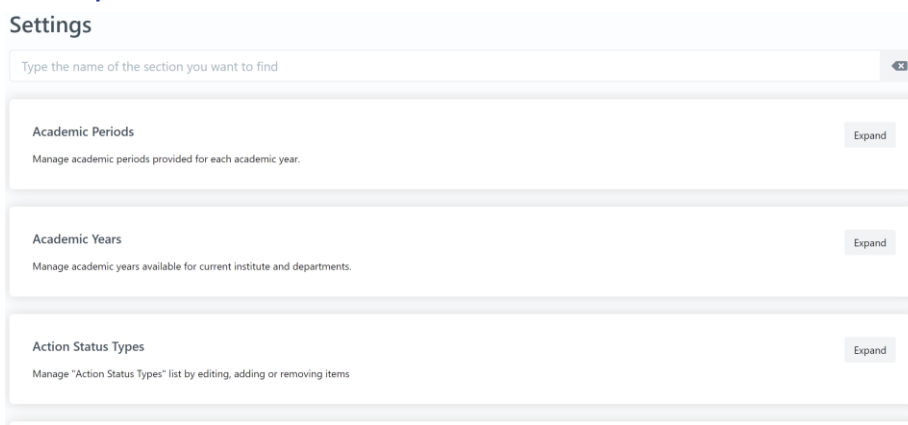


Figure 63: Search Lists/Enumerations functionality

Table 47: Search Lists/Enumerations functionality

Functionality Name	Search Lists/Enumerations
Actors	Administrators, Registrar Users
Input Data	Depends on the list/enumeration
Description	The user can search lists and enumerations like academic years, academic period, course categories, course types etc. by following the steps: - selects the More->Settings option from the VURS's sidebar menu - searches for a list/enumeration and clicks Expand button - finds items on the list where the user can sort them, add a new item and edit an existing one
Output Data	For sorting items action, the sorted list appears in the page. For adding and editing an item, a completion popup message is shown after the user's submission.

5.4 VURS Basic Functionality for Students

5.4.1 Preview Main Information

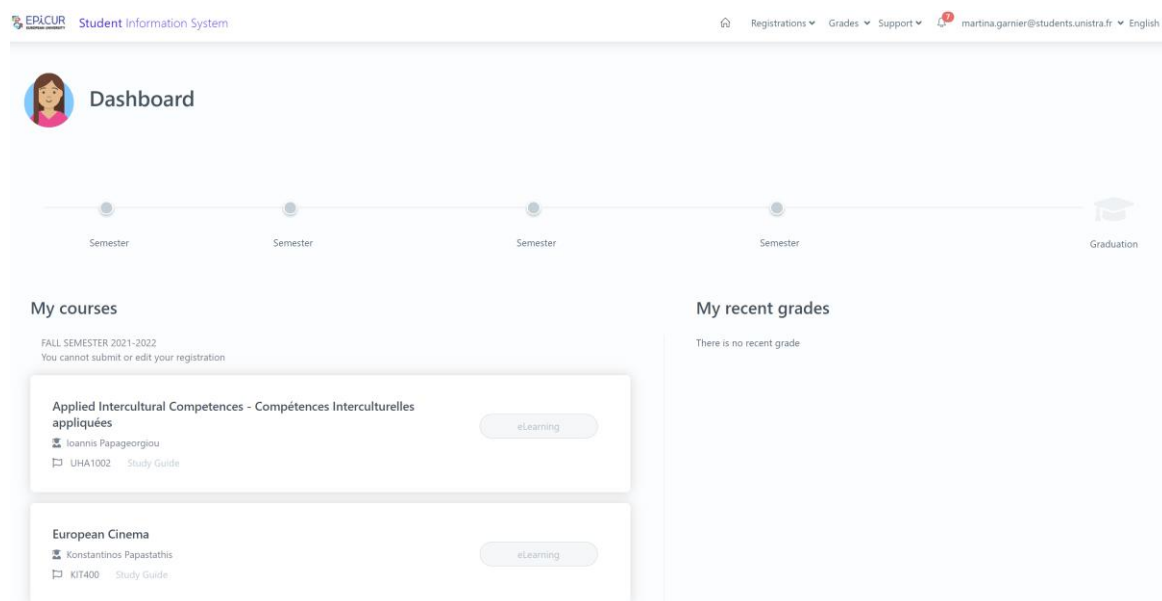


Figure 64: Preview Main Information functionality

Table 48: Preview Main Information functionality

Functionality Name	Preview Main Information
Actors	Students
Input Data	-
Description	The user can view his/her main personal data by selecting the home icon from the VURS's menu bar
Output Data	The page with the main user's information is loaded which are: study profile, registered courses, recent grades.

5.4.2 Check Grades

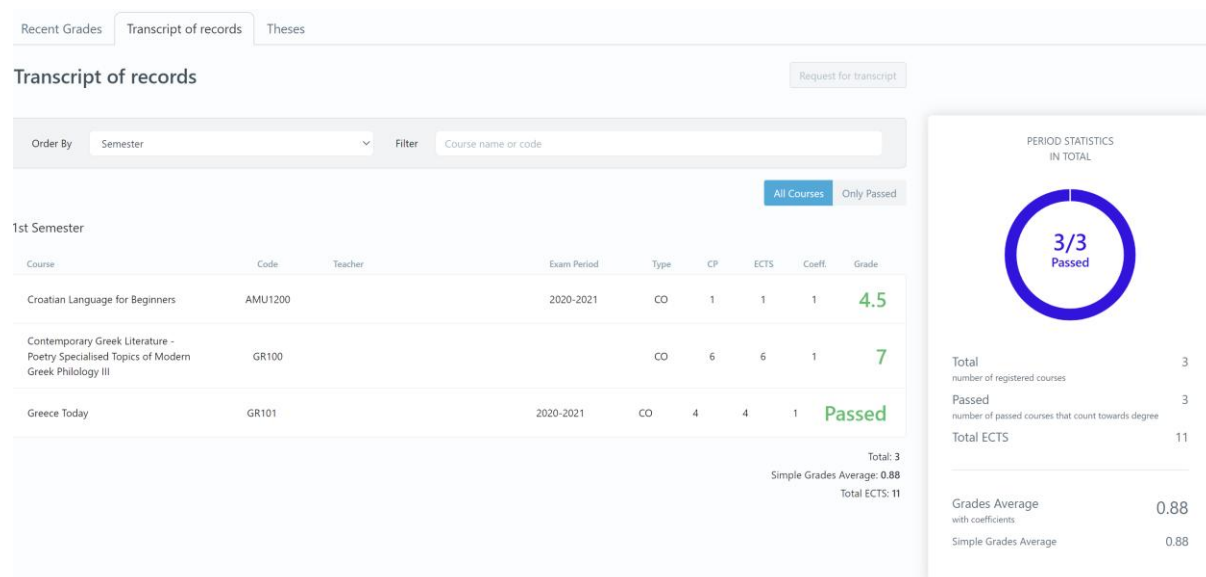


Figure 65: Check Grades functionality: All Grades

Table 49: Check Grades functionality

Functionality Name	Check Grades
Actors	Students

Input Data	Optional: Name, Code
Description	The user can check his/her grades by following the steps: For Recent Grades: - selects the More->Recent Grades option from the VURS's menu bar There is the option to check for each course the statistics of grades regarding the number of students by clicking Statistics button on the specific course section. For All Grades: - selects the More->All Grades option from the VURS's menu bar - selects between all courses (default option) and only passed courses - checks courses grades by searching/filtering them (by name or code) and by sorting them (by Semester, Type) For Theses' Grades: - selects the More->Theses option from the VURS's menu bar The user can also switch between categories by selecting one of the following tabs: Recent Grades, Transcripts of records (for all grades), Theses.
Output Data	The page with the grades is loaded with some statistics. If the user selects statistics within a specific course, a popup window with relevant information appears.

5.4.3 View Requests

Requests to the Secretariat + New Request

Show only: All Filter: Title, text

8 Results

Transcript of records
08/05/2022

Cancelled

Personal Information Declaration
15/12/2021

Completed

Figure 66: View Requests functionality

Table 50: View Requests functionality

Functionality Name	View Requests
Actors	Students
Input Data	Optional: Title, Text
Description	The user can view his/her requests by following the steps: - selects the Support->Requests option from the VURS's menu bar - selects between all requests (default option), pending requests, approved requests and failed requests - finds a group of requests or a specific request on the list of requests to the secretariat by searching/filtering them (by title, text) When there are files attached to a request, the user is able to download them by clicking the Download documents button.
Output Data	The list of requests that satisfy the defined requirements appears on the Requests to the Secretariat page where the user can see the status of each request and the secretariat's response. By clicking the Download documents button in a request, the attached files are downloaded to the user's computer.





EPICUR
EUROPEAN UNIVERSITY

EPICUR European University

Transcript of Records

Academic Period: 2021-2022 Fall

DocNo: 2021/12/0017

Personal Information

Student last name: **Ramberg** First name: **Tobias**

Date of birth: **2000-10-20** Gender: **Male**

Place of birth: **Munich** Matriculation number: **20180032025551**

Country of birth: **Germany**

Name of sending institution: **Karlsruhe Institute of Technology**

Faculty: **Physics**

Address: **Karlsruhe Institute of Technology Hermann-von-Helmholtz-Platz 1 76344**

EPICUR Secretariat/Coordinator: **Lukas Schneider**

Receiving Institution	Start mobility date	End mobility date	Form of study	Title of the course unit at the Receiving Institution	Local grade	Number of ECTS credits
AUTH	2021-02-02	2021-04-30	Theory	Contemporary Greek Literature - Poetry Specialised Topics of Modern Greek Philology III	7	6.0
AMU	2021-01-18	2021-05-13	-	Croatian Language for Beginners	4	1.0

(signature)





EPICUR
EUROPEAN UNIVERSITY

EPICUR European University

Learning Agreement

Academic Period: 2021-2022 Fall

DocNo: 2021/12/0016

Student last name: **Ramberg** First name: **Tobias**

Date of birth: **2000-10-06** Gender: **Male**

Place of birth: **Munich** Matriculation number: **20180032025555**

Country of birth: **Germany**

Name of sending institution: **Karlsruhe Institute of Technology**

Faculty: **-**

Address: **Karlsruhe Institute of Technology Hermann-von-Helmholtz-Platz 1 76344 Eggenstein-**

Receiving Institution Acronym	Receiving Institution Name
UNISTRA	University of Strasbourg
UVA	University of Amsterdam
AUTH	Aristotle University of Thessaloniki
BOKU	University of Natural Resources and Life Sciences
KIT	Karlsruhe Institute of Technology
UHA	University of Upper Alsace
FREI	University of Freiburg
AMU	Adam Mickiewicz University in Pozna

Figure 67: Examples of requests: a) Transcript of Records, b) Learning Agreement

5.4.4 Create Request

New request to the secretariat

Certificates ^

Transcript of records Select

Learning Agreement Select

Requests ^

Withdrawal from study
Apply for withdrawal from study Select

Personal Information Update
Use this request to declare personal information which are going to be used for publishing documents and certificates like EPICUR Learning Agreement, Transcript of Records etc. Select

Drop a course
Use this action to drop a course of the current semester that you have been already registered to. This operation requires the approval of registrar office to be completed. Select

Other Request Select

< Requests

Request to secretariat

Basic information

I am requesting the following certificate: **Transcript of records**

Special request

If you require anything specific please type it below so your registrar can fulfill it.

Type your request message here

Request

Figure 68: Create Request functionality: a) List of requests, b) Transcript of records request form

Table 51: Create Request functionality

Functionality Name	Create Request
Actors	Students
Input Data	Information about the request to the registrar (Depends on the request)
Description	The user can view his/her requests by following the steps: • selects the Support->Requests option from the VURS's menu bar • clicks + New Request button • selects the type of request between Certificates (Transcript of records, Learning Agreement) and Requests (Withdrawal from study, Personal Information Update, Drop a course, Other Request) • completes the request form by providing information to the registrar and clicks Request button.
Output Data	The Requests to the Secretariat is loaded and the request would be added as Active in the list of requests.

5.5 VURS Basic Functionality for Lecturers

5.5.1 Preview Main Information

The screenshot shows the EPICUR Student Information System interface. At the top, there is a navigation bar with the EPICUR logo, the text 'Student Information System', and user information: 'teacher1@example.com' and 'English'. The main content area is titled 'Dashboard' and is divided into three main sections:

- Current Courses** (Fall 2021-2022): This section lists three courses:
 - Applied Intercultural Competences - Compétences Interculturelles appliquées** (UHA1002, 1 student, Fall 2021-2022, EPICUR) with a 'More' button.
 - Cultural studies** (GR402, 2 students, Fall 2021-2022, EPICUR) with a 'More' button.
 - Greece Today** (GR101, 1 student, Fall 2021-2022, EPICUR) with a 'More' button.
- Latest grade submissions**: This section shows three recent submissions:
 - 9/24/21, 4:01 PM - Finnish Language (AMU1400 - Spring Final Examination 2020-2021) with a 'Show' button.
 - 9/8/21, 12:16 PM - Greece Today (GR101 - Spring Final Examination 2020-2021) with a 'Show' button.
 - 6/22/21, 6:10 PM - Anthropology of the Everyday Life on the Balkans (AMU1100 - Spring Final Examination 2020-2021) with a 'Show' button.
- Current grading period** (Spring Final Examination 2020-2021, Spring 2020-2021): This section shows two grading periods:
 - Spring Final Examination 2020-2021**: Includes 'Anthropology of the Everyday Life on the Balkans' (AMU1100, Spring 2020-2021, EPICUR) with a 'Grading' button.
 - Winter Final Examination 2021-2022** (Fall 2021-2022): Includes 'Applied Intercultural Competences - Compétences Interculturelles appliquées' (UHA1002, Fall 2021-2022, EPICUR) and 'Cultural studies' (GR402, Fall 2021-2022, EPICUR), both with 'Grading' buttons.

Figure 69: Preview Main Information functionality

Table 52: Preview Main Information functionality

Functionality Name	Preview Main Information
Actors	Lecturers
Input Data	-
Description	The user can view the main information about his/her courses by following the steps: selects the home icon from the VURS's menu bar
Output Data	The page with the main user's information about courses is loaded which are: current courses, latest grade submissions, current grading period.

5.5.2 Search Courses

Current courses Fall 2021-2022

Applied Intercultural Competences - Compétences Interculturelles appliquées

UHA1002 1 Students There are no sections

Fall 2021-2022 EPICUR European University

Grading eLearning Study guide

Cultural studies

GR402 2 Students There are no sections

Fall 2021-2022 EPICUR European University

Grading eLearning Study guide

Greece Today

GR101 1 Students There are no sections

Fall 2021-2022 EPICUR European University

Grading eLearning Study guide

My Courses

Fall 2021-2022
Spring 2020-2021

Fall 2021-2022

Applied Intercultural Competences - Compétences Interculturelles appliquées

UHA1002 1 Students Fall 2021-2022 EPICUR European University

Cultural studies

GR402 2 Students Fall 2021-2022 EPICUR European University

Greece Today

GR101 1 Students Fall 2021-2022 EPICUR European University

Spring 2020-2021

Anthropology of the Everyday Life on the Balkans

AMU1100 4 Students Spring 2020-2021 EPICUR European University

Finnish Language

AMU1400 1 Students Spring 2020-2021 EPICUR European University

Figure 70: Search Courses functionality: a) Current courses, b) My courses

Table 53: Search Courses functionality

Functionality Name	Search Courses
Actors	Lecturers
Input Data	-
Description	The user can search for a group of his/her courses or a specific course by following the steps: For Current courses: - selects the Courses->Current courses option from the VURS's menu bar For My courses: - selects the Courses->My courses option from the VURS's menu bar - finds course by searching/filtering them by academic period
Output Data	A list of the courses that satisfy the defined requirements appears.

5.5.3 Preview Course Class

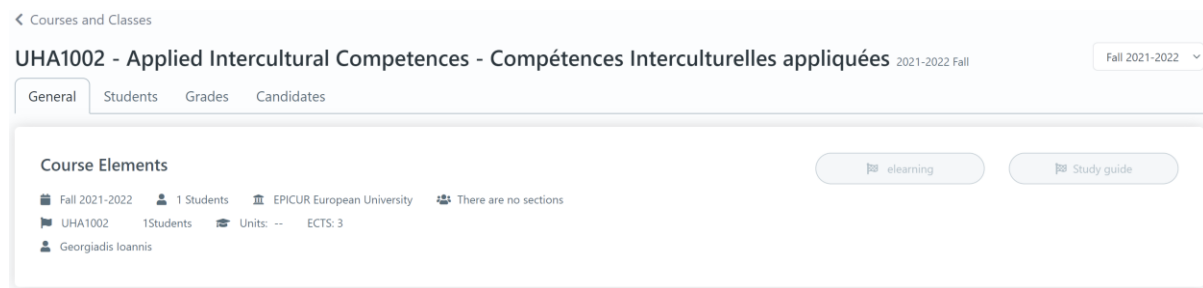


Figure 71: Preview Course Class functionality

Table 54: Preview Course Class functionality

Functionality Name	Preview Course Class
Actors	Lecturers
Input Data	-
Description	The user can preview a course class by following the steps: From Current courses: - searches for a specific course on Current courses page - clicks arrow icon - selects More option From My courses: - searches for a specific course on My courses page - clicks on the specific course
Output Data	The page with all the class's information is loaded where there are four tabs: General, Students, Grades, Candidates.

5.5.4 View Class Students

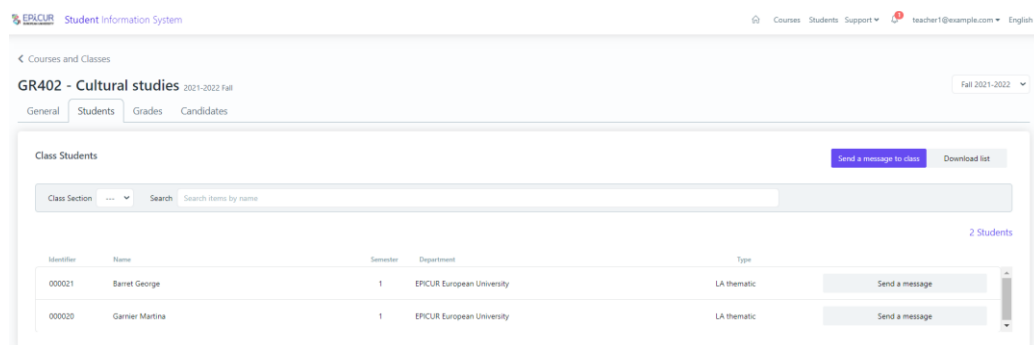


Figure 72: View Class Students functionality

Table 55: View Class Students functionality

Functionality Name	View Class Students
Actors	Lecturers
Input Data	Communicate with students: Subject, Short message, Attach File (optional)
Description	The user can view the students of a class, communicate with them and download a list of their information by following the steps: - visits the preview page of a course class - selects the Students tab To communicate with students:

	- clicks Send a message to class button to communicate with all the students or clicks Send a message button to a specific student to communicate with him/her. - completes the message form (Subject, Write a short message, attach file) and sends it To download list of students: - clicks Download list button
Output Data	The list with all the students of the class is loaded. For “Send message” action, a loading bar appears and after the completion the popup form closes. By clicking the Download list button, the file with students’ information of the class is downloaded to the user's computer.

5.5.5 Grade students

< Courses and Classes

AMU1400 - Finnish Language 2020-2021 Spring Spring 2020-2021

General Students **Grades** Candidates

Grades Spring Final Examination 2020-2021

GRADING STATUS
Completed - Pending approval - You have already submitted grades on 9/24/21, 4:01 PM
Grade table has been completed by the instructor. You can download, edit and submit grades.

[Download grade table](#)
[Submit grade table](#)

GRADING SCHEME
Course grading scheme contains distinct values. The following list contains the valid values for the current grading scheme.

5: Very good,
4.5: Good +,
4: Good,
3.5: Satisfactory +,
3: Satisfactory,
2: Unsatisfactory

PARTICIPATION IN EXAMS
There is no data related to this item.

SEND A MESSAGE
You can send a message to all students who may participate in this examination

[Send a message](#)

Submissions

Submission Date	User	Unique Check Key
9/24/21, 4:01 PM (Approved)	Ioannis Georgiadis (me)	0YXgmrltLLVzsHYRKN8gQawhF4=

Submit final grades

STATUS

Grading Successfully Completed ✓

Final Submission Course exam successfully saved. ✓

VALIDATION

Submission Number 41

Unique Check Key hfJuqnjRpbCDR0NfXBTpb2oqE58=

Submission Date 5/23/22, 10:15 PM

[Close](#)

Figure 73: Grade Students functionality: a) Grades page of a course class, b) completion of submission

Table 56: Grade Students functionality

Functionality Name	Grade Students
---------------------------	----------------

Actors	Lecturers
Input Data	Grade table file
Description	The user can grade the students of a class by following the steps: - visits class students page - clicks Download list button to download the list of students' information where there is a column with the name Grade. - after preparing grade table file, selects Grades tab on the preview page of the course class - clicks Submit grade table button - uploads grades file and clicks Upload and continue button - clicks Accept and finalise button to complete submission you will be informed about your submission status On the Grades page, the user can view the submission status under the Submissions section.
Output Data	Information about the status and proof of submission appears.

5.6 VURS Basic Functionality for Candidates

5.6.1 View Mobility Applications

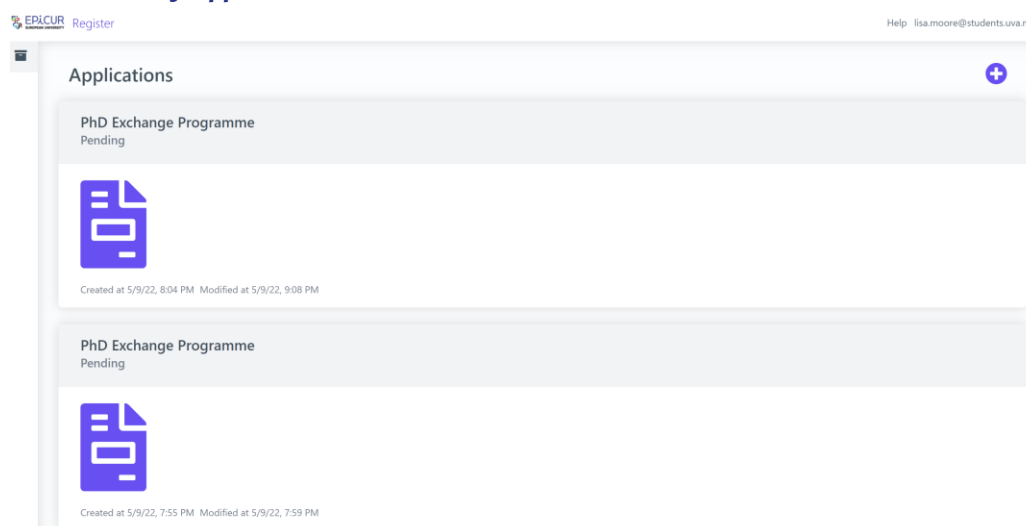


Figure 74: View Mobility Applications functionality

Table 57: View Mobility Applications functionality

Functionality Name	View Mobility Applications
Actors	Candidates
Input Data	-
Description	The user can view his/her applications and their status by following the steps: selects the home option from the VURS's sidebar menu
Output Data	The page with the list of user's applications and their status is loaded.

5.6.2 Submit Mobility Application

Personal information Mobility program Documents

Personal information

First name * Surname *

Gender * Institutional email address

Current education status

I am a student at: *

☐ I have previous academic training of more than 60 ECTS
(This field refers only to undergraduate or postgraduate students)

☐ I have proficiency in the language of instruction

What is your motivation / what were you hoping for?

Normal **B** **I** **U** **☒** **☒** **☒** **☒**

Write a short motivation letter (maximum 250 words). Some mobility programs may ask you also to upload a motivation letter as a document later in this form.

Next

Personal information **Mobility program** Documents

Select one the active mobility programs and continue by selecting one or more of the courses offered by this program.

Select a mobility program ▼

Next

Personal information Mobility program **Documents**

Your application form has been successfully saved. Collect the required documents and submit your application.

The following list contains the required documents that should be attached in this application form. Please attach each document and continue.

- 1. Masters Degree**

Master's degree (or confirmation letter from university that master's thesis has already been submitted and that degree will be issued shortly)

Upload document (*.jpg,*.png,*.gif,*.pdf)
- 2. Transcript of records (master's)**

Transcript of records from master's degree programme

Upload document (*.jpg,*.png,*.gif,*.pdf)
- 3. Transcript of records (PhD) optional**

Transcript of records from doctoral study programme, if available

Upload document (*.jpg,*.png,*.gif,*.pdf)

Next Submit

Figure 75: Submit Mobility Application functionality a) Personal Information tab, b) Mobility program tab, c) Documents tab

Table 58: Submit Mobility Application functionality

Functionality Name	Submit Mobility Application
Actors	Candidates
Input Data	Personal Information: <u>Required:</u> First Name, Surname, Gender, I am a student at (Current education status) <u>Optional:</u> (Current education status) I have previous academic training of more than 60 ECTS, I have a proficiency in the language of instruction, What is your motivation / what were you hoping for? Mobility program:

	– <u>Required</u>: Select a mobility program, Select courses • Documents: – <u>Required</u>: Upload documents – <u>Optional</u>: Upload proficiency in focus language, Upload proof of enrolment
Description	The user can apply for a mobility program by following the steps: • selects plus sign button on the dashboard • completes the application where there are three tabs (clicks Next button to navigate to the next tab): Personal Information (completes a form), Mobility program (selects mobility and courses), Documents (upload documents). For some types of documents exist a template document that can be downloaded by clicking Download document template button. • submits the application • finalises submission by clicking OK button on the confirmation popup window that is shown
Output Data	The user receives an email about his/her submission and the application is in the list of applications in dashboard.

5.6.3 Preview Mobility Application

Internships in civil society organisations and service learning course

Active

Created at 3/24/21, 1:05 PM Modified at 3/24/21, 1:18 PM

Personal information

Mobility program

Documents

Messages

Personal information

First name *

Surname *

Gender

Institutional email address

Education information

I am a student at:

☐ I have previous academic training of more than 60 ECTS
 ☐ I have proficiency in the language of instruction

What is your motivation / what were you hoping for?

Personal information

Mobility program

Documents

Messages

Select one the active mobility programs and continue by selecting one or more of the courses offered by this program.

Internships in civil society organisations and service learning course

The internships at civil society organisations are accompanied by the intercultural service-learning course, and both are fully virtual in the 2021 pilot run to enable innovative and inclusive student mobility. Participants of this internship format are required to attend the full service-learning course (includes the introductory, seminar and final sessions as well as two additional bridging trainings). During the internship, the students will work in one of the listed organisations of the third sector based in Karlsruhe or Thessaloniki on a voluntary basis (10 hours per week). The internships provide not only practical work experience, but also strengthen the students' intercultural and soft skills and, thus, contribute to their employability.

Enrollment period: Sep 20, 2021, 9:00:00 AM - Jan 1, 2022, 12:59:00 AM

Courses

Positions

☐ I have a visa/ residence permit to live in the country of my home university (only for non-EU citizens)

International Office Assistant accepted

Anastithes Theatrou

Mark

100

Inferred duration: Any

Assist in content creation and polishing our social media image

Boost our international recognition

Data gathering and processing

Organise events

GREECE

Personal information

Mobility program

Documents

Messages

The following list contains the required documents that should be attached in this application form. Please attach each document and continue.

1. Declaration of consent

Please download and use the available document template before upload

Download document template

Certificate1.pdf (application/pdf)

2. Proof of Enrolment

Certificate1.pdf (application/pdf)

Personal information

Mobility program

Documents

Messages

Messages [compose new message](#)

Incoming message

Test message from registrar

Test message from registrar

3/24/21, 2:00 PM

Figure 76: Preview Mobility Application functionality a) Personal Information tab, b) Mobility program tab, c) Documents tab, d) Messages tab

Table 59: Preview Mobility Application functionality

Functionality Name	Preview Mobility Application
Actors	Candidates

Input Data	• Personal Information: – <u>Required</u>: First Name, Surname, Gender, I am a student at (Current education status) – <u>Optional</u>: (Current education status) I have previous academic training of more than 60 ECTS, I have a proficiency in the language of instruction, What is your motivation / what were you hoping for? • Mobility program: – <u>Required</u>: Select a mobility program, Select courses • Documents: – <u>Required</u>: Upload documents (Depends on the mobility's requirements) – <u>Optional</u>: Upload documents (Depends on the mobility's requirements) • Messages: – <u>Required</u>: Short message – <u>Optional</u>: Subject
Description	The user can preview a mobility application's information by following the steps: 1. selects an application from applications list by clicking it on the dashboard To complete a pending application: • changes the application's information where there are three tabs (clicks Next button to navigate to the next tab): Personal Information, Mobility program (changes courses), Documents (upload documents) • submits the application • finalises submission by clicking OK button on the verification popup window that is shown To communicate with registrar (pending and active applications): • selects Messages tab • clicks Compose a new message • completes the message form (Subject, Write a short message) and sends it
Output Data	The page with all the application's information is loaded where there are four tabs: Personal Information, Mobility program, Documents, Messages. For "Send message" action, the result is shown in the application's Messages tab. For "Complete a pending application" action, the user receives an email about his/her submission.

6 Advanced Virtual University Registrar System (VURS) functionality

6.1 Internship Portal functionality

The functionality of the Internship Portal will be analysed into two different categories:

- Internships administration, meaning the back end of the internship portal for the registrars.
- Internships portal, meaning the front-end of the internship portal for the candidate students.

6.1.1 EPICUR VURS Internships Administration

The Internships Administration is an integral component of the VURS ecosystem. This module enables officers to effectively manage the internships within the alliance. It contains all the required procedures and interfaces for managing available internships, internship assignment and internship completion.

The registrars can access the EPICUR VURS Internship Administration via the following link:

<https://registrar.epicur.auth.gr/>

6.1.1.1 Internship List

Table 60: Internship List

Functionality Name	Internship List
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	• Internship metadata
Description	A request to the VURS API server is done, to fetch the internships.
Output Data	Following the navigation bar, users with the required privileges for managing internships can view a list of active internships. The interface has 3 tabs: • All • Active • Available The All tab contains all the internships, regardless of their status. In the active tab the user can view the internships that have been assigned to a student and it's going to be started or have already started. In the available tab, a list of the internships that have not yet been assigned to a student is shown.

The screenshot shows the EPICUR SIS Administration interface. The top navigation bar includes the EPICUR logo, 'SIS Administration', 'EPICUR', and the academic year 'Ac. Year 2022-2023 - Spring'. On the right, there are icons for home, notifications, and a user profile labeled 'employer'. The left sidebar contains a menu with options: Instructors, Students, Teaching, Study Programs, Badges BETA, Educational Credentials BETA, Candidates, Requests, Registrations, More (expanded), Internships (highlighted), Scholarships, Statistics, and Departments. The main content area is titled 'Internships' and has three tabs: 'All', 'Active' (selected and highlighted with a blue box), and 'Available'. Below the tabs is a search bar. The list shows 14 internships. The visible rows are:

	Position	Student Number	Full name	Student status	Academic year	Academic period	Start date	Completed date	Company/Organisation
		International Office Assistant	000158	Roux Julie	Active	2020-2021	Spring	4/15/21	Anazitites The Art)
		Online Language Facilitator	000159	Michalski Leon	Active	2020-2021	Spring	4/15/21	Anazitites The Art)
		Media and Marketing Intern	000161	Szymański Edyta	Active	2020-2021	Spring	4/15/21	Anazitites The Art)
		Video Editor	000155	König Heike	Active	2020-2021	Spring	4/15/21	Anazitites The Art)
		Initiating a new project	000160	Blanchard Léna	Active	2020-2021	Spring	4/15/21	Kulturkueche
		Online / Social Media Marketing	000156	Thomas Noah	Active	2020-2021	Spring	4/15/21	Migrant Start-

Figure 77: Active internships list

6.1.1.2 Filter Internships

Table 61: Filter Internships

Functionality Name	Filter Internships
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User

Input Data	- Position (optional) - Student name (optional) - Academic year (optional) - Academic period (optional) - Start date (optional)
Description	A post request to the VURS API server is done, containing the filters described in the input data, to fetch the internships that match the user requirements.
Output Data	A table containing the internships that match the user filters.

Figure 78: Filter Internships list

6.1.1.3 Add new internship

Table 62: Add new internship

Functionality Name	Add new Internship
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	Internship metadata
Description	A request to the VURS API server is done, to fetch the internships.
Output Data	Following the navigation bar, users with the required privileges for managing internships can view a list of active internships. The interface has 3 tabs: - All - Active - Available The All tab contains all the internships, regardless of their status. In the active tab the user can view the internships that have been assigned to a student and it's going to be started or have already started. In the available tab, a list of the internships that have not yet been assigned to a student is shown.

Academic year Academic period Mobility program

<Select a saved search> Save search Search Less

24 Internships

+ Add item

Position	Academic year	Academic period	Mobility program	Company/Organization
Research stay in the field of social dynamics and climate change	2021-2022	Spring	PHDEX	Department of the Study of Social Dynamics (Adam Mickiewicz University)

Figure 79: Add new Internship button

SIS Administration EPICUR Ac. Year 2022-2023 - Spring

New internship

Internship Information

Department EPICUR

Mobility program * Internships in private enterprises and service learning course (...)

Academic year * 2022-2023 Academic period * Spring Provider

Start date * 08/04/2024 Status * New

Search for a company or organization * Institute of Applied Geosciences (Karlsruhe Institute of Technology), Germany Research Ins...

Company information

Name * Institute of Applied Geosciences (Karlsruhe Insti Type Research Institutions Address Adenauerring 20A and B 76131 Karlsruhe Germa

Country Phone

Figure 80: New Internship data entry 1

Start date * 08/04/2024 Status * New

Search for a company or organization * Institute of Applied Geosciences (Karlsruhe Institute of Technology), Germany Research Ins...

Company Information

Name * Institute of Applied Geosciences (Karlsruhe Insti Type Research Institutions Address Adenauerring 20A and B 76131 Karlsruhe Germa

Country Germany Phone

Position * Project Manager

Figure 81: New Internship data entry 2

Position default preferences

Use the following form to set default preferences about the selected position:

Starting month March Starting year 2024

Duration 6 months

Description *

Normal B I U Link List

Research institute profile

The Institute of Geomatics is focused on surveying, remote sensing, Earth Observation and Land Information. The institute is internationally recognised as one of the leading institutes specialised in the processing and analysis of EO time series: mainly Sentinel-2 and MODIS. The institute developed a unique web-based processing chain for pre-processing of Sentinel-2 time series, including the extraction of relevant vegetation traits such as leaf area index (LAI) (<https://s2.boku.eodc.eu/>). Key expertise of the institute includes time series analysis, machine learning, land use land cover mapping, and forward and inverse modelling of canopy spectral signatures for the retrieval of vegetation traits using physically-based radiative transfer models. The institute has also developed state-of-the-art operational processing chains for low-resolution MODIS time series for the extraction of land surface phenology indicators as well as drought indicators.

Research projects

- Flood detection project: Using Sentinel 2 time series, we are developing a processing chain to detect floods in Austria using cloud computing.
- Analysis of phenology regions at global scale using start of spring dataset.
- Gap-filled methods to fulfil temporal series (avoid clouds).
- Research in time series classification algorithms.

Figure 82: New Internship data entry 3

6.1.1.4 Edit existing Internship

Table 63: Edit Internship

Functionality Name	Edit Internship
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	Internship metadata

<i>Description</i>	A post request to the VURS API server is done, containing the newly updated fields.
<i>Output Data</i>	The same form as the new Internships is shown to the user, but prefilled with the current state of the internship. Upon submitting the new fields, the internship entry is updated.

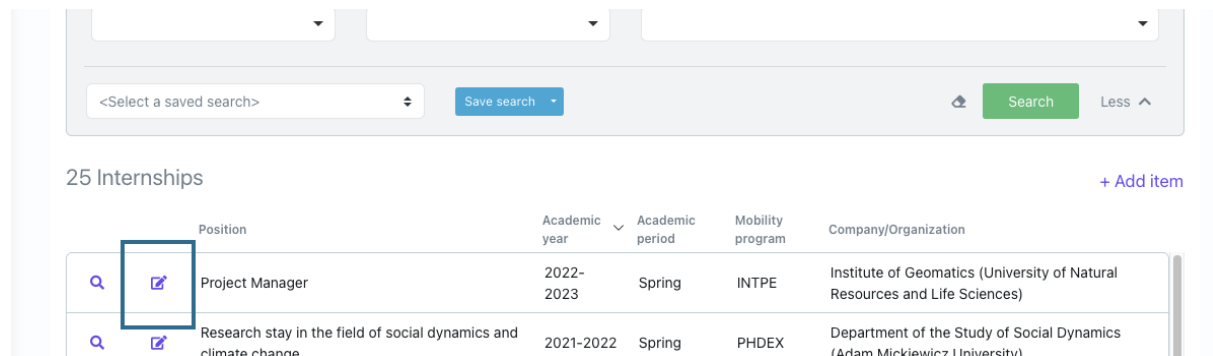


Figure 83: Edit Internship button

6.1.1.5 Internship overview

Table 64: Internship overview

Functionality Name	Internship overview
<i>Relative Use case(s)</i>	Use case(s) where the functionality could contribute
<i>Related Element</i>	EPICUR VURS Internship Management
<i>Actors</i>	Registrar User
<i>Input Data</i>	The internship ID
<i>Description</i>	A get request the VURS API server is done using the internship ID, to get the internship information.
<i>Output Data</i>	-

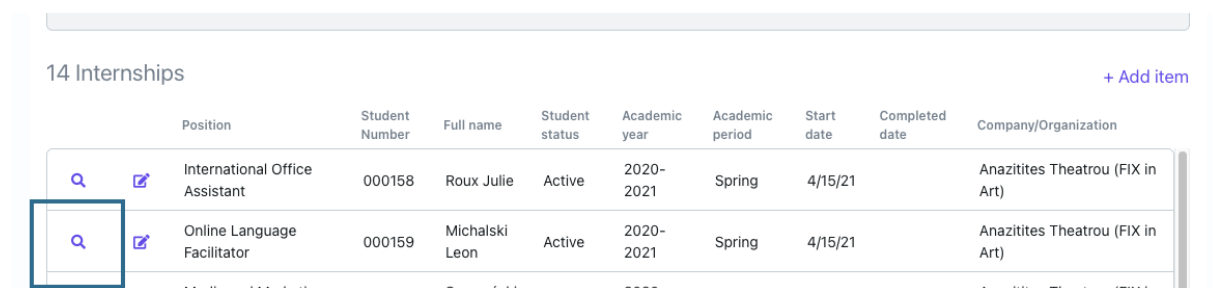
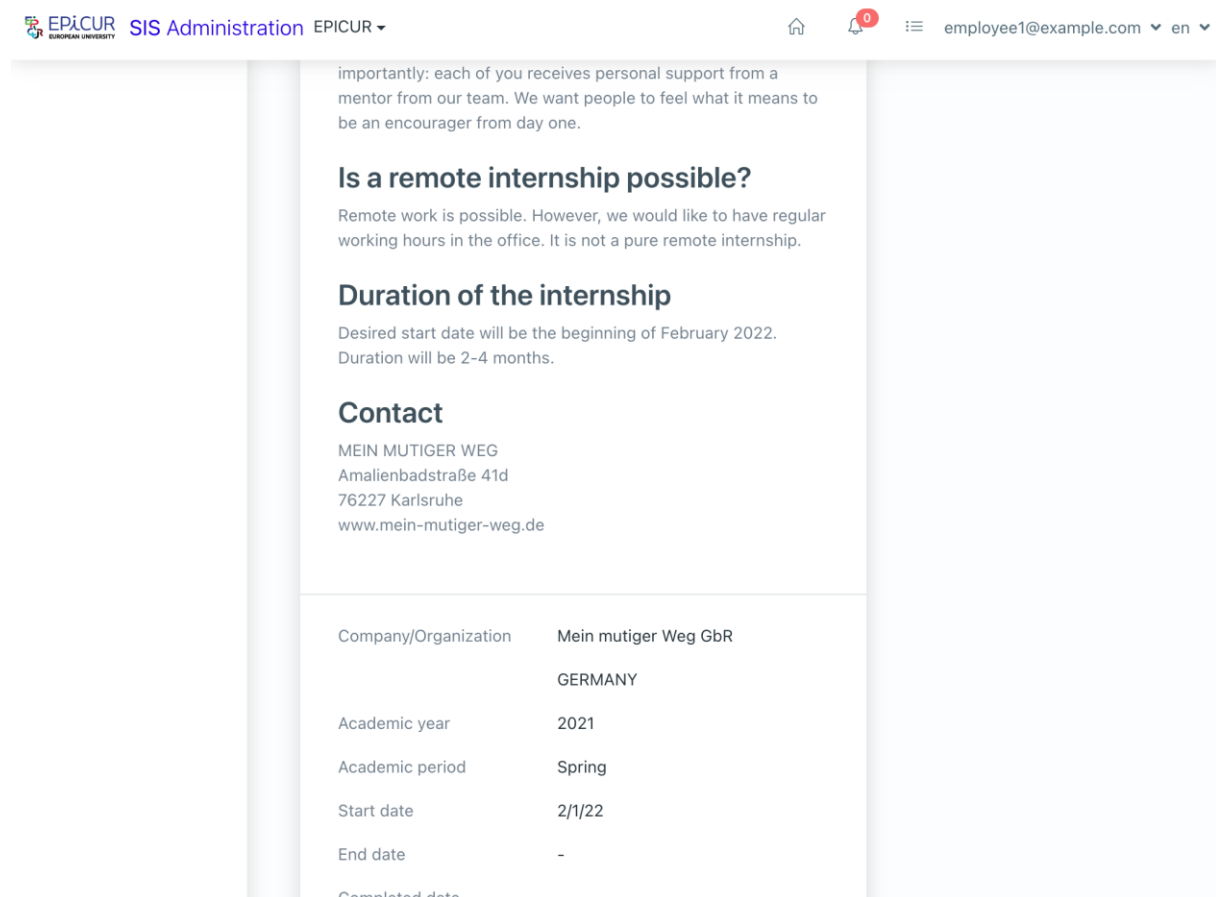


Figure 84: View Internship details button

The screenshot displays the EPICUR SIS Administration interface. The top navigation bar includes the EPICUR logo, 'SIS Administration', and a user profile 'employee1@example.com'. A sidebar on the left lists various system functions: Instructors, Students, Teaching, Study Programs, Badges BETA, Educational Credentials BETA, Candidates, Requests, Registrations, Internships (highlighted), More, Scholarships, Statistics, Departments, and Archived Documents. The main content area is titled 'Internships' and features a specific entry for 'Graphic designer - Spring 2021-2022'. Below this title are two tabs: 'Overview' (selected) and 'Candidates'. The 'Overview' tab contains a section titled 'Graphic designer' with the sub-header 'Profile of the organisation'. The text describes MEIN MUTIGER WEG GbR, a company founded in October 2018, which aims to modernize professional orientation at German schools. It mentions that the company is one of the fastest growing start-ups, with 10 young people involved, and that it has developed a plan for its own courageous way after school, targeting secondary schools from the 9th to the 12th grade. The company's mission is to create a future where every student knows their own potential and has the courage to bring it to the street. The text concludes with a statement of conviction: 'We are convinced that a company is only as good as the team that stands behind it. That's why we need a strong team ourselves. And that's why we're looking for you.'

Figure 85: Internship overview 1



importantly: each of you receives personal support from a mentor from our team. We want people to feel what it means to be an encourager from day one.

Is a remote internship possible?

Remote work is possible. However, we would like to have regular working hours in the office. It is not a pure remote internship.

Duration of the internship

Desired start date will be the beginning of February 2022.
Duration will be 2-4 months.

Contact

MEIN MUTIGER WEG
Amalienbadstraße 41d
76227 Karlsruhe
www.mein-mutiger-weg.de

Company/Organization	Mein mutiger Weg GbR
	GERMANY
Academic year	2021
Academic period	Spring
Start date	2/1/22
End date	-
Completed date	-

Figure 86: Internship overview 2

6.1.1.6 View candidates

Table 65: View internship candidates

Functionality Name	View internship candidates
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	The internship ID
Description	A get request the VURS API server is done using the internship ID, in order to get the candidates.
Output Data	A table containing the candidates for the specified internship

← Internships

Online / Social Media Marketing - Spring 2020-2021 ⓘ

Overview **Candidates**

Search More ▾

7 Candidates Accept ▾

	Full Name	Email	Institute	Submitted at	Date modified	Rating	Status
☐	Dubois Henri	henri.student484@etu.unistra.fr	UNISTRA	4/4/21, 10:21 PM	5/20/21, 9:26 PM		Cancelled
☐	Mercier Pauline	pauline.student481@etu.unistra.fr	UNISTRA	4/5/21, 12:11 AM	5/31/21, 11:50 AM		Cancelled
☐	Szewczyk Agata	agata.student470@st.amu.edu.pl	AMU	4/4/21, 5:29 PM	5/20/21, 9:38 PM		Cancelled
☐	Thomas Noah	noah.student467@etu.unistra.fr	UNISTRA	4/4/21, 1:48 PM	6/3/21, 11:52 AM		Completed
☐	Dubois Julie	julie.student446@etu.unistra.fr	UNISTRA	4/1/21, 5:49 PM	5/31/21, 11:53 AM		Cancelled

Figure 87: Candidates Tab for the Specified Internship

6.1.1.7 View candidate application

Table 66: View internship candidates

Functionality Name	View candidate application
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	• Internship ID • Application ID
Description	A get request the VURS API server is done using the internship ID and the application ID, in order to get the application information.
Output Data	By pressing the “eye” icon in the candidates table, the registrar user is redirected to a page containing the application information.

☐	Dubois Julie	julie.student446@etu.unistra.fr	UNISTRA	4/1/21, 5:49 PM	5/31/21, 11:53 AM	Cancelled	
☐	Thomas Ambre	ambre.student445@etu.unistra.fr	UNISTRA		4/1/21, 5:49 PM	Potential	
☐	Christodoulou Juno	juno.student433@fri.auth.gr	AUTH		3/30/21, 1:23 AM	Potential	

Figure 88: Application details icon

Study program application
Ambre Thomas

Study program

Mobility program
Internships in civil society organisations an...

Academic year
2020-2021

Academic period
Spring

Personal information

First name *
Ambre

Surname *
Thomas

Institutional email address
ambre.student445@etu.unistra.fr

Education information

☐ I have a previous academic training with more than 60 ECTS

Details

CREATED AT 4/1/21, 5:25 PM

STATUS Potential

Candidate

Given Name Ambre

Family Name Thomas

Home Institution UNISTRA

Figure 89: Application details

6.1.1.8 Send candidate message

Table 67: Send candidate message

Functionality Name	Send candidate message
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	• Internship ID • Candidate ID • Message (optional) • Subject (optional) • Attachment (optional)
Description	A post request the VURS API server is done containing the input data, then the server is responsible to send a mailable to the candidate.
Output Data	• The candidate receives an email

Figure 90: Send candidate message screen

6.1.1.9 Accept candidate

Table 68: Accept candidate

Functionality Name	Accept candidate
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	EPICUR VURS Internship Management
Actors	Registrar User
Input Data	The internship ID
Description	
Output Data	The user using the dropdown menu, and after selecting the candidate with the check mark next to the user full name, the registrar user can accept or reject the candidate.

Full Name	Email	Institute	Submitted at	Date modified	Rating	Status
☒ Kowalczyk Agata	agata.student897@amu.edu.pl	AMU	10/13/21, 11:24 AM	10/13/21, 11:24 AM		Act
☐ Richter Lea	lea.student846@student.kit.edu	KIT	9/13/21, 11:48 PM	9/13/21, 11:48 PM		Act

Figure 91: Accept candidate dropdown menu

6.1.2 Internship Portal

The Internship Portal serves as the primary interface for student interaction. The public can access the EPICUR Internship Portal via the following link:

<https://internships.epicur.auth.gr/>

6.1.2.1 Landing page

Table 69: Landing page

Functionality Name	Landing Page
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	Internship portal
Actors	Guest/Candidate
Input Data	-
Description	-
Output Data	In the landing page of the internship portal the users can view the features of the internship portal, information about the EPICUR Internship Exchange Programme and the total number of the available internships. The figure below captures the whole page, which is approximately x2.5 times a standard computer screen. The text in the landing page is the following: • subtitle: Discover and apply for exciting internship opportunities across Europe • feature_1_title: Explore Opportunities • feature_1_text: Explore a diverse array of internship opportunities that align with your studies and interests, and that are tailored specifically to you. • feature_2_title: Apply with Confidence • feature_2_text: Submit applications seamlessly through our user-friendly Portal. Receive feedback and track your progress throughout the application process. • feature_3_title: Global Network, Local Impact • feature_3_text: Join the EPICUR community that spans across 7 countries and transcends boundaries. Our alliance of universities brings together the best minds from across Europe. • feature_4_title: Connect with Industry Leaders • feature_4_text: Engage with international industry professionals and build relationships that can shape your future career. • about_paragraph_1: The EPICUR Internship Portal is a gateway for opportunities for Bachelor and Master students that connects different regions by offering students cross-border internships in one of the EPICUR universities' ecosystems. Gain practical experience abroad through an internship at a company or at a civil society organisation, broaden your horizons and improve your intercultural skills! • about_paragraph_2: This Internship Portal includes on-site internships and virtual internships with online learning elements that allow students to acquire essential skills for their future profession in times of growing globalisation and digitalisation, and enable them to interact with stakeholders from different countries.

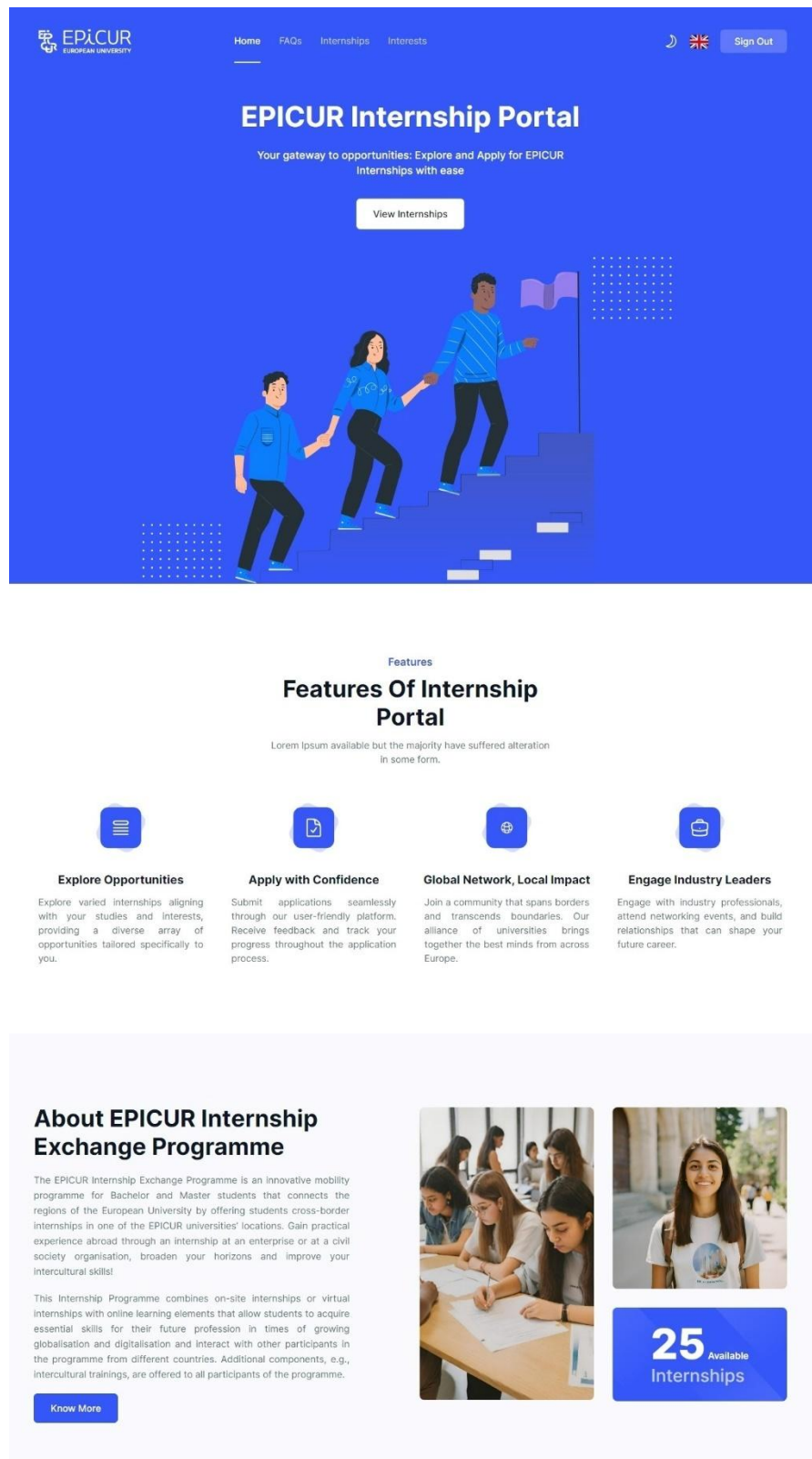


Figure 92: Landing Page24

24 The figure has demo questions and answers, to communicate the looks and feels of the page.

6.1.2.2 Authentication

Some pages of the internship portal require the user to be authenticated before he/she can visit and view the content. The pages that require an authenticated user are:

- The pages that show the extended details of any internship.
- The page with the user interests.

And the pages that do not require an authenticated user are:

- The landing page
- The FAQs page
- The available internships page

Table 70: Authentication

Functionality Name	Authentication
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	Internship portal
Actors	Guest/Candidate
Input Data	• Username • Password • Of the institutional account
Description	• The navigation bar at the top of the page will always display a Sign In button. Users can authenticate to the Internship Portal using their institution's SSO provider. Upon clicking the Sign In button, users will be redirected to their home institution's sign-in page. After successfully submitting their credentials, users will be redirected back to the protected page of the Internship Portal that they wish to visit.
Output Data	User access token



Figure 93: EPICUR SSO Providers selection page

6.1.2.3 Navigation

Table 71: Navigation

Functionality Name	Navigation
<i>Relative Use case(s)</i>	Use case(s) where the functionality could contribute
<i>Related Element</i>	Internship portal
<i>Actors</i>	Guest/Candidate
<i>Input Data</i>	-
<i>Description</i>	The navigation bar will always be on top of all pages. The users can use the links to navigate through the internship portal. The links include: • Home page • FAQs page • Internships page • Interests page For mobile visits, the navigation bar is a collapsible panel that can be viewed by pressing the 3 lines on the top right corner.
<i>Output Data</i>	User access token

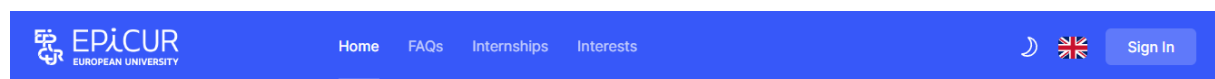
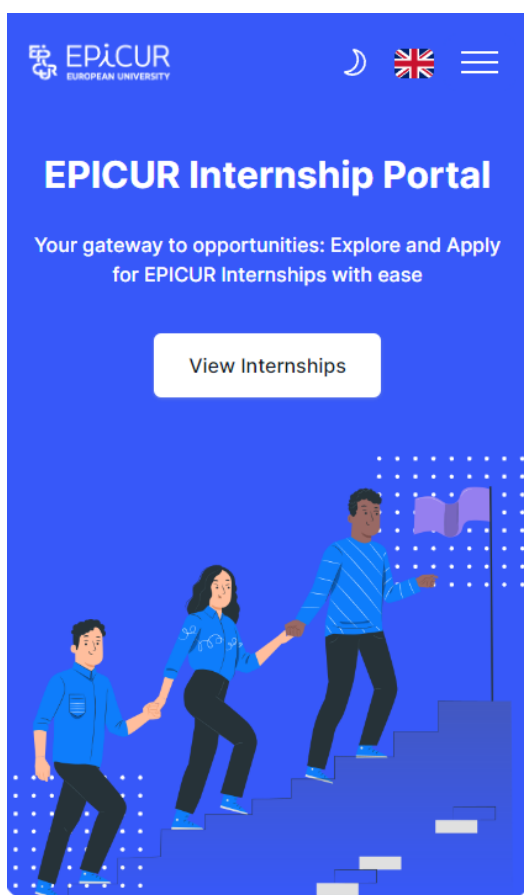
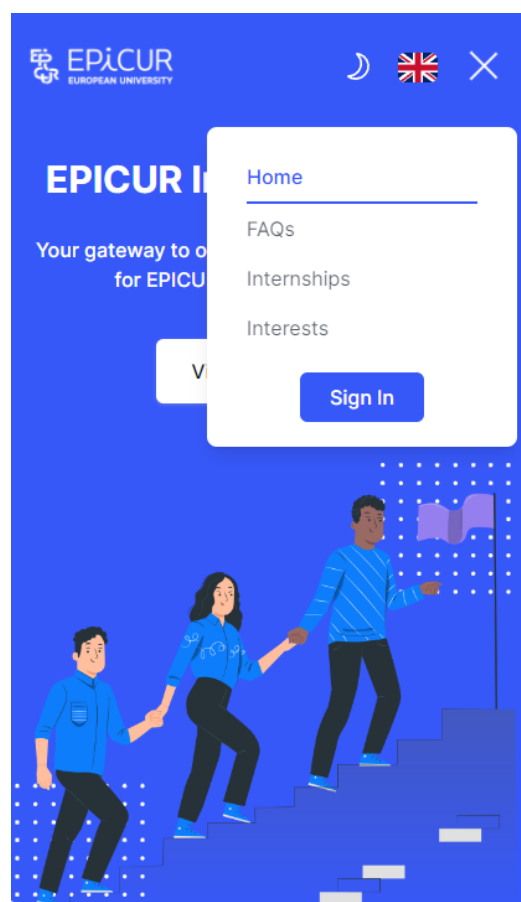


Figure 94: Navigation bar



Features

Features Of Internship Portal



Features

Features Of Internship Portal

Figure 95: Navigation bar for Mobile

6.1.2.4 View FAQs

Table 72: View FAQs

Functionality Name	View FAQs
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	Internship portal
Actors	Candidate
Input Data	-
Description	-
Output Data	A list with the most common questions with their respective answers is shown to the users that visit the FAQs page of the internship portal. The following FAQs have been included in the internship portal: - question_1: What is the purpose of this website? - answer_1: This website is designed to serve as a gateway for students to find and apply for internships offered across the EPICUR ecosystem. - question_2: What is EPICUR? - answer_2: EPICUR is an alliance of 9 universities from across Europe that are seeking to build a common campus through joint activities, offerings and

	exchanges. Making local internship offerings accessible internationally is a part of that effort, and this Portal is a direct product of the alliance's efforts to open up and connect. • question_3: What kind of internships can I find here? • answer_3: On this Portal, you can find various internships opportunities in different companies across Europe. You can find unique offerings that suit your interests, areas of expertise, duration and other preferences. • question_4: How do I apply? • answer_4: You can click on each internship you are interested in and select the "Express interest" button. Your application then will, through the hosting university, be processed by the internship provider. • question_5: Are the internships paid? • answer_5: This can vary in each individual case, so make sure to read the description of each internship you are interested in. The description will indicate whether it is paid or not. • question_6: How will doing an internship in another country impact my studies? • answer_6: EPICUR will make sure that your international experience will be treated as if you were taking a local internship when it comes to impact on your studies. The goal of EPICUR is to ensure that your international experience is of no extra burden in your progress to getting a degree.
--	--

FAQ

Any Questions? Look Here

There are many variations of Lorem Ipsum available.

[Home](#) / [FAQs](#)



What is the purpose of this website?

This website is designed to provide helpful information and resources related to our products and services.



How do I place an order?

To place an order, simply navigate to the 'Shop' section, add the desired items to your cart, and proceed to checkout. You can complete the order by providing your shipping and payment information.



What payment methods do you accept?

We accept major credit cards (Visa, Mastercard, American Express), PayPal, and bank transfers.



Do you offer international shipping?

Yes, we offer international shipping to most countries worldwide. Shipping rates and delivery times may vary based on your location.



How can I track my order?

Once your order is shipped, you will receive a tracking number via email. You can use this tracking number to check the status of your order on the carrier's website.



What is your return policy?

We offer a 30-day return policy for most products. If you're not satisfied with your purchase, you can return it for a refund or exchange within 30 days of delivery. Please refer to our Returns & Exchanges page for more details.

Figure 96: FAQs page25

6.1.2.5 View Available Internships

Table 73: View Available Internships

25 The figure has demo questions and answers, to communicate the looks and feels of the page.

Functionality Name	View Available Internships
<i>Relative Use case(s)</i>	Use case(s) where the functionality could contribute
<i>Related Element</i>	Internship portal
<i>Actors</i>	Guest/Candidate
<i>Input Data</i>	-
<i>Description</i>	The Internship Portal will request the list of the available internships from the VURS API server, as well as their following details/information per internship: • ID • Name • Description • Provider name • Provider image • Provider URL • Study level • Year • Starting month • Starting year • Duration The request for available internships will be executed only during the initial page load. Subsequent page visits will not trigger the request again, thereby reducing internet traffic and enhancing user experience.
<i>Output Data</i>	Guests and candidates, whether authenticated or not, can view a list of cards, with each card representing an individual internship entry. Display will also show the total number of the available internships.

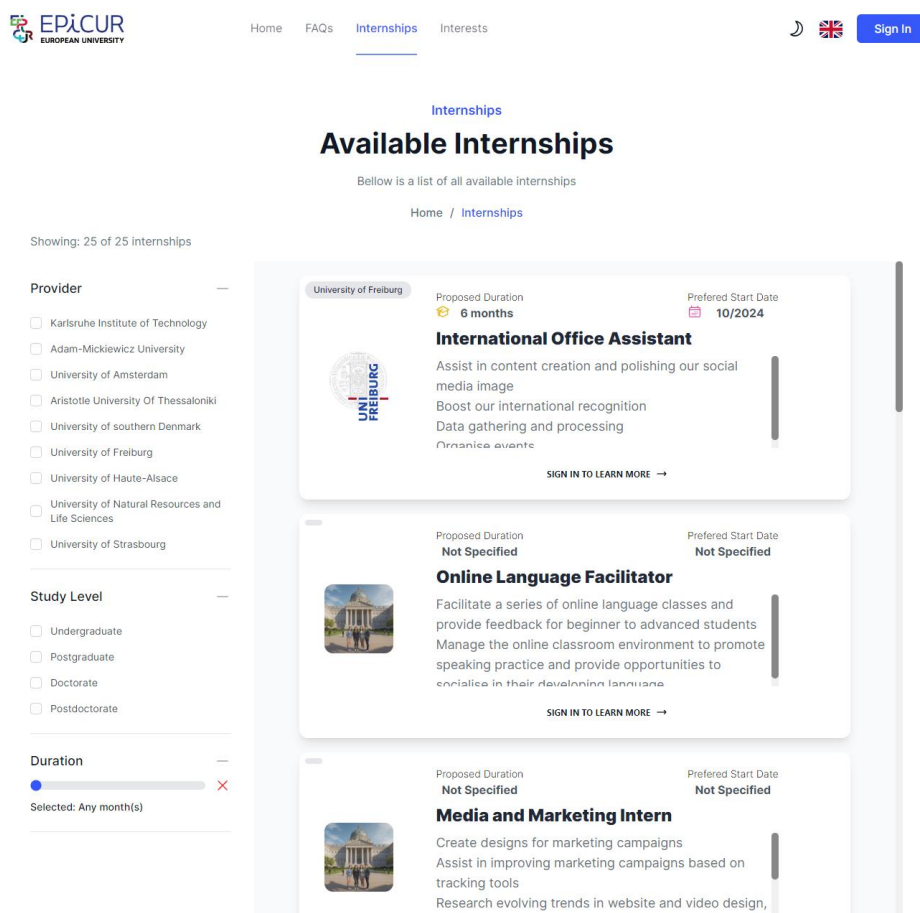


Figure 97: Available Internships interface

6.1.2.6 Filter Available Internships

Table 74: Filter Available Internships

Functionality Name	Filter Available Internships
Relative Use case(s)	Use case(s) where the functionality could contribute.
Related Element	Webpage
Actors	Guest/Candidate
Input Data	- Provider - Study Level - Duration
Description	The users can filter the available internships of the portal by selecting: - Provider Name (optional) - Study Level (optional) - Duration (optional) - The filtering is happening in place, meaning that there is no request to the VURS API server, enhancing the user experience with instant feedback.
Output Data	A visible list of the available internships that match the user's filters. Also, information about the number of internships that meet the criteria/filters.

Showing: 25 of 25 internships

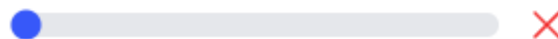
Provider

- ☐ Karlsruhe Institute of Technology
- ☐ Adam-Mickiewicz University
- ☐ University of Amsterdam
- ☐ Aristotle University Of Thessaloniki
- ☐ University of southern Denmark
- ☐ University of Freiburg
- ☐ University of Haute-Alsace
- ☐ University of Natural Resources and Life Sciences
- ☐ University of Strasbourg

Study Level

- ☐ Undergraduate
- ☐ Postgraduate
- ☐ Doctorate
- ☐ Postdoctorate

Duration



Selected: Any month(s)

Figure 98: Filters of internships

6.1.2.7 View Internship details

Table 75: View Internship details

Functionality Name	View Internship Details
Relative Use case(s)	Use case(s) where the functionality could contribute.
Related Element	Internship Portal
Actors	Candidate
Input Data	The access token of the authenticated user
Description	To view the details of the internship the user must be authenticated. When a user visits the details of an internship, the portal requests the: - Internship information - Application status (if the user has already applied) - The enrolment period for the study programme of the internship
Output Data	In the internship detailed page, the candidate can view the following information: - The name (title) of the internship - The description of the internship - The company name - The company description - The approximate company location - The name of the provider (EPICUR partner) - The image/logo of provider (EPICUR partner) - The URL/home page of the provider (EPICUR partner) - The contact person information (name, email, phone) - The period - The proposed duration - The proposed start date - Study programme name - Study programme information - The monthly compensation (whether applicable) - explicit mention if none Also, the user can view either the Express Interest button, or the date until the applications are open, or the status if he/she has already applied.

EPiCUR
EUROPEAN UNIVERSITY

Home FAQs Internships Interests

Sign Out

Internship Information

International Office Assistant

Assist in content creation and polishing our social media image
Boost our international recognition
Data gathering and processing
Organise events

Company Information

Anazitites Theatrou (FIX in Art)

Anazitites Theatrou (Fix in Art) is a non-profit arts and culture community that promotes artistic expression and cultural and educational opportunities for people of all ages and backgrounds in an open, imaginative and inclusive space.

Greece

15, 28th October Street 54927, Thessaloniki

Interested in this Internship?
You are just a click away!

Express my Interest

Provider Information

Offered By
University of Freiburg
International Office, Friedrichstr. 39,
Rektorat, 79085 Freiburg im Breisgau,
Germany

Contact Person
Marei Nagy, International Office
Phone: Unknown
Email: Unknown

Academic Year 2020-2021

Proposed Start Date: 10/2024
Proposed Duration: 6 months

Study Program Information

Internships in civil society organisations

Full Name → Internships in civil society organisations and intercultural service-learning course (full seminar)
Abbreviation → INTCSO
Semesters → 1
Has fees → No
Grade Scale → 6

Civic engagement and intercultural awareness as well as a differentiated view of societal contexts and political developments are indispensable today for shaping society as responsible global citizens. Within the EPICUR Internship Exchange Programme, an Intercultural service-learning course is offered that combines an innovative way of academic learning with civic engagement in an organisation of the third sector, e.g. NGOs, cultural organisations, environmental agencies, social enterprises, etc. The programme connects the regions of the European University by offering students cross-border internships (2 months) in one of the EPICUR universities' locations. Additional components, e.g. intercultural trainings, are offered to all participants of the programme.
Please note that the EPICUR Internship Exchange Programme will not be offering any internships in the fall/spring terms of the 2022/23 academic year. Check back soon for updates!

Figure 99: Internship details

6.1.2.8 Express Interest

Table 76: Expression of Interest

Functionality Name	Expression of Interest
Relative Use case(s)	Use case(s) where the functionality could contribute.
Related Element	Internship Portal
Actors	Candidate
Input Data	- The access token of the authenticated user - The email of the user - Inscription26 year - Inscription period - Study programme ID - Internship ID
Description	The authenticated users can express an interest about an internship by pressing "Express my Interest" button in a detailed internship page. The portal makes a POST request to the VURS API server, containing the Input Data described above.
Output Data	The "Express My Interest" button is available only if the current date falls within the enrolment period. Outside of this period, the button will be replaced with a

²⁶ This is the current academic year and period

	placeholder explaining why the user cannot express their interest at that time. If the user has already applied, the button is replaced with the figure bellow.
--	---



[Home](#)
[FAQs](#)
[Internships](#)
[Interests](#)



[Sign Out](#)

[Internship Information](#)

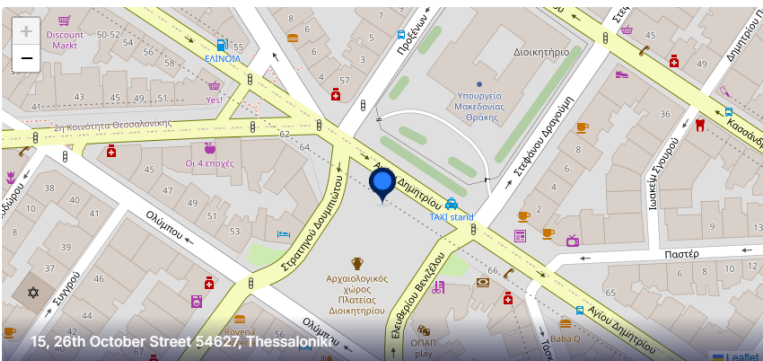
International Office Assistant

Assist in content creation and polishing our social media image
Boost our international recognition
Data gathering and processing
Organise events

[Company Information](#)

Anazitites Theatrou (FIX in Art)

Anazitites Theatrou (Fix In Art) is a non-profit arts and culture community that promotes artistic expression and cultural and educational opportunities for people of all ages and backgrounds in an open, imaginative and inclusive space.



15, 26th October Street 54627, Thessaloniki

Provider Information



Offered By
University of Freiburg
International Office, Friedrichstr. 39,
Rektorat, 79085 Freiburg im Breisgau,
Germany



Contact Person
Marei Nagy, International Office
Phone Unknown Email Unknown

Academic Year 2020-2021

Proposed Start Date 10/2024 Proposed Duration 6 months

Figure 100: Already applied for an internship

6.1.2.9 View Interests

Table 77: View Interests

Functionality Name	View Interests
Relative Use case(s)	Use case(s) where the functionality could contribute
Related Element	Internship Portal
Actors	Candidate
Input Data	The access token of the authenticated user
Description	When a user finishes the sign in procedure through his/her home institution SSO, the Internship Portal will request from the VURS API server his/her interests automatically and keep it in session. For each interest of the user, the portal will fetch from the API server: - The name of the internship - The description of the internship - The monthly compensation (whether applicable) - explicit mention if none - The status of the interest - The provider's name, image and URL - The date of the expression of the interest The user can view his/her interests in the Interests page.
Output Data	For each expressed interest, the authenticated user will view a card, containing the above information, like in figure bellow. If the user has not expressed any

	interest, the page prompts the user to view the available internships. If the user is not authenticated, the page prompts the user to first sign in to view his/her internship interests.
--	---

The screenshot shows the 'My Interests' page on the EPICUR platform. The header includes the EPICUR logo, navigation links (Home, FAQs, Internships, Interests), a user profile icon, a UK flag, and a 'Sign Out' button. The main heading is 'My Interests' with a subtitle 'Here you can view the internships that you have expressed an interest and their status'. Below this, there are four cards representing different internship interests, all from the University of Freiburg. Each card lists the role 'International Office Assistant' and four tasks: 'Assist in content creation and polishing our social media image', 'Boost our international recognition', 'Data gathering and processing', and 'Organise events'. The first three cards are marked 'Potential' and the fourth is marked 'Active'.

Figure 101: Interests page

6.2 Functionality related with the Scholarships

This section presents the functionality related to the Scholarships.

6.2.1 View Scholarships

Table 78: View Scholarships functionality

Functionality Name	View Scholarships
Relative Use case(s)	View Scholarships
Relative Element	EPICUR VURS Scholarships
Actors	Registrar User
Input Data	
Description	A request to the VURS API server is done, to fetch the scholarships.
Output Data	Following the navigation bar, users with the required privileges for managing scholarships can view a list of scholarships. The interface has 2 tabs: - All - Active - The “All” tab contains all the scholarships, regardless of their status.

	In the “Active” tab the user can view active scholarships.
--	--

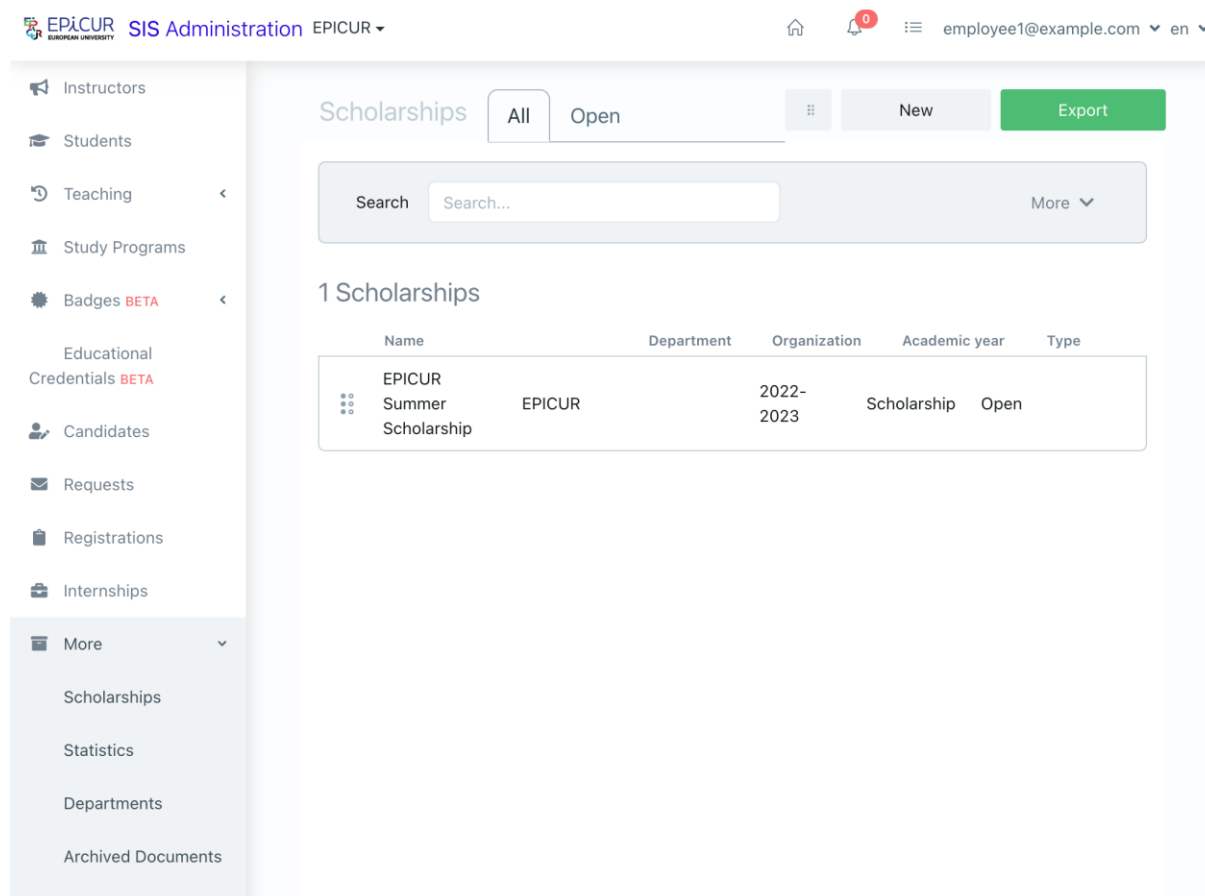


Figure 102: View Scholarships functionality

6.2.2 Filter scholarships

Table 79: Filter scholarships functionality

Functionality Name	Filter scholarships
Relative Use case(s)	View Scholarships
Relative Element	EPICUR VURS Scholarships
Actors	Registrar User
Input Data	- Scholarship Type - Scholarship ID - Academic Type - Academic Period
Description	The request to the API server contains system query options for filtering response
Output Data	Following the tool bar, the user applies search parameters for filtering scholarships.

The screenshot displays the EPICUR SIS Administration interface. On the left is a sidebar with navigation links: Instructors, Students, Teaching, Study Programs, Badges BETA, Educational Credentials BETA, Candidates, Requests, Registrations, Internships, and More. The main content area is titled 'Scholarships' and features tabs for 'All' and 'Open'. There are buttons for 'New' and 'Export'. A search filter box contains fields for Scholarship, Department, Organization, Academic Year (set to 2022-2023), Type, and Status. Below the filter box is a 'Search' button and a 'Less' link. The results section shows '1 Scholarships' in a table with columns: Name, Department, Organization, Academic year, Type, Status, and Total students. The table contains one entry: EPICUR Summer Scholarship, EPICUR, 2022-2023, Scholarship, Open, and Total students.

Figure 103: Filter scholarships functionality

6.2.3 Create scholarship

Table 80: Create scholarship functionality

Functionality Name	Create scholarship
Relative Use case(s)	Create scholarships
Relative Element	EPICUR VURS Scholarships
Actors	Registrar User
Input Data	The attributes of the new scholarship like title, description academic year, academic period etc.
Description	The client posts a request to API server for creating a new scholarship.
Output Data	

 **SIS Administration** EPICUR

 employee1@example.com en

Instructors

Students

Teaching

Study Programs

Badges BETA

Educational Credentials BETA

Candidates

Requests

Registrations

Internships

More

Scholarships

General

Name *

Department *

New Scholarship

Organization

Academic Year *

Type *

Status *

2023-2...

Scholar...

Open

Description

Normal B I U   

A description...

Write a short description for this scholarship

Notes

Normal B I U   

Figure 104: Create scholarship functionality

6.2.4 Edit scholarship

Table 81: Edit scholarship functionality

Functionality Name	Edit scholarship
Relative Use case(s)	Edit scholarships
Relative Element	EPICUR VURS Scholarships
Actors	Registrar User
Input Data	The attributes of the scholarship like title, description academic year, academic period etc.
Description	The client posts a request to API server for updating a scholarship .
Output Data	

 Co-funded by
the European Union

EPICUR SIS Administration EPICUR

Badges BETA

Educational Credentials BETA

Candidates

Requests

Registrations

Internships

More

General

Name * EPICUR Summer Scholarship

Department * EPICUR

Organization

Academic Year * 2022-2... x

Type * Scholar... x

Status * Open x

Description

Normal B I U

EPICUR will be offering a total of scholarships of € 1000,- to widen participation and empower more students to benefit from the physical EPICUR Summer Courses opportunities. Main aim of the EPICUR Inclusion Scholarship is to stimulate participation in EPICUR's mobility offerings for those students who would otherwise be unable to take part in the EPICUR Summer Courses.

Scholarships are available for the following target groups:

1. Students from low-income families
2. First-in-family students (prospective students who are the first in the nuclear/immediate family to attend university)
3. Other underrepresented students (e.g., students with disabilities)
4. All other EPICUR students

Important information

Eligibility requirements for applicants

In order to be eligible for this scholarship, you must meet the following requirements:

- In order to receive the EPICUR Inclusion Scholarship, you must be accepted to one or more EPICUR summer courses to which you apply. During the application process to the EPICUR Summer course(s) of

Figure 105: Edit scholarship functionality

6.2.5 Add admission scholarship

Table 82: Add admission scholarship functionality

Functionality Name	Add admission scholarship
Relative Use case(s)	Edit scholarships
Relative Element	EPICUR VURS Scholarships
Actors	Registrar User
Input Data	One or more scholarships that are going to be associated with a mobility programme
Description	The client posts a request to API server for connecting an admission scholarship with a mobility programme.
Output Data	

SP Yes x Yes x

Study Level Undergraduate x Specialization type Semesters 1

Grade Scale Percentage Study title type Certification x

Alternate name Color #FFD700

Set an alternate name for study program (probably for printing) Set an html color for this study program.

Image

Set the URL of an image which will be visible in course catalogue

Admission scholarships

EPICUR Summer Scholarship x Test Admission Scholarship x

Set one or more scholarships that will be available during student admission

Description

Normal B I U Link List Bulleted List Bold Italic

Figure 106: Add admission scholarship functionality

6.2.6 Apply for an admission scholarship

Table 83: Apply for an admission scholarship functionality

Functionality Name	Apply for an admission scholarship
Relative Use case(s)	Student Application
Relative Element	EPICUR VURS Scholarships
Actors	Candidate User
Input Data	An admission scholarship which is associated with a mobility programme for a specific application run.
Description	The client posts a request to API server for including their interest for an admission scholarship to their application.
Output Data	

Please enter your country of residence: *

Greece x ▼

Please enter which summer programme you are applying to:

Summer programme

This scholarship is meant for First Generation Students. The Summer Programmes Office defines a 'First Generation Student' as follows: 'prospective students who are the first in the nuclear/immediate family to attend university, or who have the prospect to do so'. Please take a moment to consider this definition. Does this definition apply to you? *

☐ Yes ☐ No

Additionally, this scholarship is meant for students from a low socio-economic background. The Summer Programmes Office defines this as follows: 'students who do not have the financial means, or the possibility to gain the financial means, to participate in one of our summer programmes'. Please take a moment to consider this definition. Does this definition apply to you? *

☐ Yes ☐ No

I understand that First Generation Scholarships are awarded in two ways: through a selection committee, and through a blind draw (Yes or No). *

☐ Yes ☐ No

Motivation statement

Normal Normal Sans Serif B I U S x₂ x² I_x A [source]

Figure 107: Apply for scholarship functionality

6.2.7 Review a request for admission scholarship

Table 84: Review a request for admission scholarship functionality

Functionality Name	Review a request for admission scholarship
Relative Use case(s)	Student Application
Relative Element	EPICUR VURS Scholarships
Actors	Registrar User
Input Data	An application submitted by a candidate which is being reviewed by a user with the required privileges.
Description	The client posts a request to API server for including their interest for an admission scholarship to their application.
Output Data	

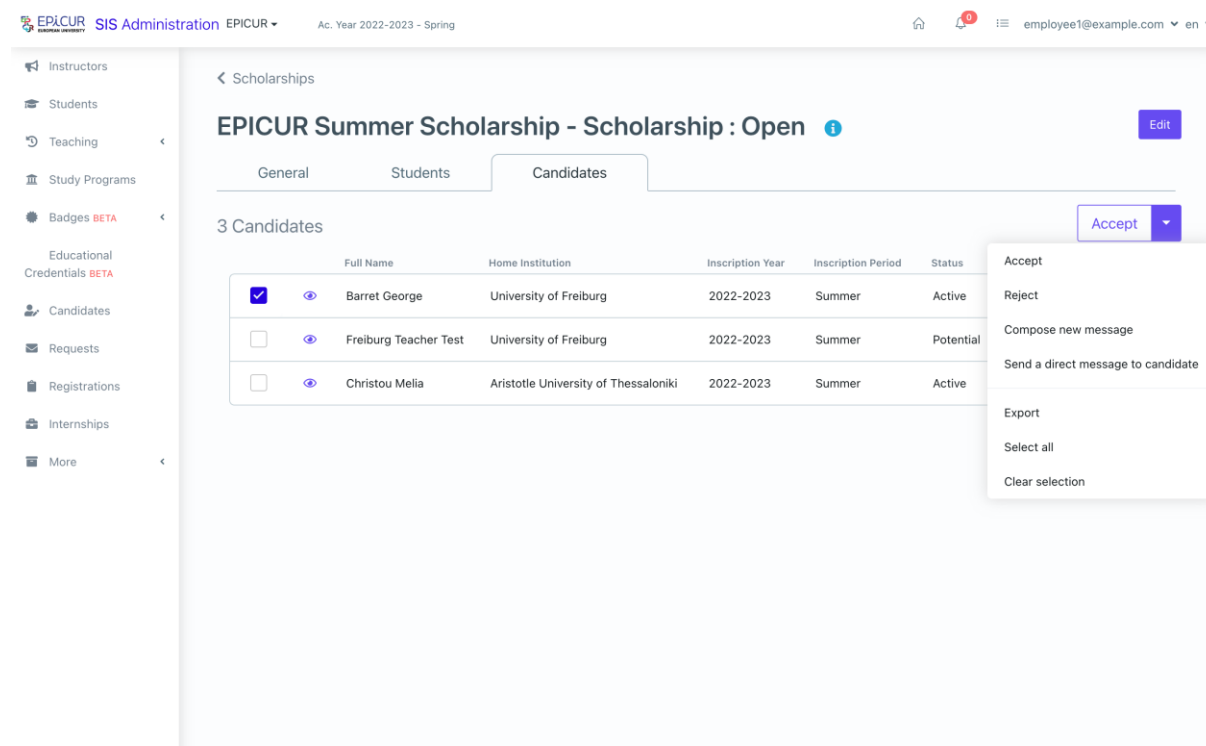


Figure 108: Review a request for admission scholarship

6.3 Functionality related with the shared registry of EPICUR courses and the Course Catalogue

This section presents the functionality related to the shared registry of EPICUR courses and the Course Catalogue.

6.3.1 View EPICUR Mobilities / Learning Offer

Table 85: EPICUR VURS Course Catalogue – View EPICUR Mobilities / Learning Offer

Functionality Name	View EPICUR Mobilities
Relative Use case(s)	Sharing course catalogue
Relative Element	EPICUR VURS Course Catalogue
Actors	Any User
Input Data	A request to the VURS API server is done, to fetch published EPICUR Mobilities.
Description	An anonymous user is navigating to EPICUR Course Catalogue home page where there is a list of the available EPICUR Mobilities.
Output Data	A list of EPICUR Mobilities.

Welcome to EPICUR European University Course Catalogue!



EPICUR Education enables learners studying at an EPICUR partner university to take advantage of courses and other learning opportunities offered in our 7-country, 9-university alliance. Come along and participate in one or more mobility programmes for a truly unique European study experience.

Have a look at course offerings below!
Be a part of the EPICUR experience!

Are you ready to boost your academic career with EPICUR?

The EPICUR Learning Offer for autumn and winter 24/25 is out!

Applications will be open from June 10 17:00 CET to July 1, for courses starting before the End of September, and until September 5 for courses starting later. New courses will be added in July, so be sure to check back regularly to stay updated! We are looking forward to receiving your application!

With EPICUR, you have the opportunity to enroll in a diverse range of engaging courses and acquire international experiences and ECTS credits, all without the need to spend an entire semester abroad.

The EPICUR programme highlights courses centered on themes including **Sustainable Transformation**, **European Values**, **Global Health**, and **Future Intelligence**. Additionally, we provide courses designed to enhance your **transversal skills** and facilitate **language acquisition** across a diverse range of

Figure 109: EPICUR VURS Course Catalogue – View EPICUR Mobilities / Learning Offer (a)

Important note on credit recognition: Please contact the respective offices of Examiners at your home/university programme to verify if a course from an EPICUR course can be credited toward your programme of study (e.g., as an elective). If not, you may still enroll in the course as an extracurricular activity. Once accepted into a course, you can request a Learning Agreement for pre-approval. After attending the course, you can request a Transcript of Records, which you can submit to the respective office/Board of Examiners to ask for recognition.



We are excited to announce the addition of ten new courses to our course catalogue! Don't miss out on these new opportunities!



EPITERM I Doctorate



EPITERM I Master



EPITERM I Undergraduate



Language Training for Mobility



Modern Greek (Language & Culture)



Nordic (Language & Culture)

Figure 110: EPICUR VURS Course Catalogue – View EPICUR Mobilities / Learning Offer (b)

6.3.2 View EPICUR Courses

Table 86: EPICUR VURS Course Catalogue – View EPICUR courses

Functionality Name	View EPICUR Courses
Relative Use case(s)	Sharing course catalogue
Relative Element	EPICUR VURS Course Catalogue
Actors	Any User
Input Data	A request to the VURS API server is done, to fetch courses related with an EPICUR mobility programme.
Description	An anonymous user is navigating to EPICUR Course Catalogue home page and selecting an EPICUR mobility programme.
Output Data	A list of EPICUR courses

Here, you will find courses accessible to undergraduate students who want to enrich their curriculum with diverse and engaging topics. Explore opportunities to expand your academic horizons and gain valuable international experiences through EPICUR.

Don't forget to check our [Q&A section](#). If you have any further questions, please contact the EPICUR course coordination team at epicur@ucf.uni-freiburg.de or consult the contact person at your university (email addresses are on the Q&A page).

Please refer to the [Guidance Notes for Application](#) before you apply. Go back to the [main page](#) of the course catalogue.

Priority area

European Values | Sustainable Transformation | Global Health | Future Intelligence | Transversal Skills

Delivery mode Language Start Date End Date

Reset Apply filter

Quality Assured Programmes

The Quality Assured Programmes module provides technical skills for designing, implementing, evaluating and promoting the quality of health systems in urban contexts as well as assuring, monitoring and evaluating quality using concrete

Academic Writing

English for Academic Writing (EAW) is designed to introduce students to the essentials of English academic writing culture. The objective of this course is to support students in a regular practice of critically reading and writing academic texts across genres.

Argument-Checking and Critical Thinking

The current overload of information on media poses problems of mis- and disinformation, challenging the capacity of people to critically determine what to believe and what to do. We are increasingly aware that we experience European discourse as a set of

Figure 111: EPICUR VURS Course Catalogue – View EPICUR courses

6.3.3 Filter EPICUR Courses

Table 87: EPICUR VURS Course Catalogue – Filter EPICUR courses

Functionality Name	Filter EPICUR Courses
Relative Use case(s)	Sharing course catalogue
Relative Element	EPICUR VURS Course Catalogue
Actors	Any User
Input Data	A request to the VURS API server is done, to fetch courses by using the given criteria e.g., a collection of priority areas, delivery mode, language, start and end date of a course etc.
Description	An anonymous user is navigating to EPICUR Course Catalogue home page and using filter options to search for courses.
Output Data	A list of EPICUR courses that meet the specified criteria

Don't forget to check our Q&A section. If you have any further questions, please contact the EPICUR course coordination team at epicur@ucf.uni-freiburg.de or consult the contact person at your university (email addresses are on the Q&A page).

Please refer to the Guidance Notes for Application before you apply. Go back to the main page of the course catalogue.

Priority area

European Values | X Sustainable Transformation | X Global Health | X Future Intelligence | X Transversal Skills | X

Delivery mode

In person | X

Language

German | X English | X

Start Date

End Date

Reset Apply filter

§ ECTS GLO UFR

Quality Assured Programmes

The Quality Assured Programmes module provides technical skills for designing, implementing, evaluating and promoting the quality of health systems in urban contexts as well as assuring, monitoring and evaluating quality using concrete examples and case studies. Current challenges such as the unequal distribution of health care

§ ECTS GLO UFR

Communicable Diseases

The Communicable Diseases module focuses on pathogens, transmission dynamics and early outbreak detection of communicable diseases as well as disease control strategies and epidemic responses including social mobilization and inter-sectoral approaches for vaccination programmes, antimicrobial resistance management and social

§ ECTS GLO UFR

Control of Non-Communicable Diseases

The Non-Communicable Diseases module addresses the impact of climate change, unhealthy environments and unhealthy behaviour (eating, physical inactivity) on health dealing with the complexity and interrelations of NCDs' factors and shows possible mitigation and solution strategies from healthy city programmes.

Figure 112: EPICUR VURS Course Catalogue – Filter EPICUR courses

6.3.4 View EPICUR Course

Table 88: EPICUR VURS Course Catalogue – View EPICUR Course

Functionality Name	View EPICUR Course
Relative Use case(s)	Sharing course catalogue
Relative Element	EPICUR VURS Course Catalogue
Actors	Any User
Input Data	A request to the VURS API server is done, to fetch a specific course
Description	An anonymous user is navigating to EPICUR Course Catalogue home page and clicks to a course tile.
Output Data	An EPICUR course



The Quality Assured Programmes module provides technical skills for designing, implementing, evaluating and promoting the quality of health systems in urban contexts as well as assuring, monitoring and evaluating quality using concrete examples and case studies. Current challenges such as the unequal distribution of health care professionals result from a lack of delivery of quality health services and care to under-served regions of the world. These critical shortages, inadequate skills, and uneven geographic distribution of health professionals pose major barriers to achieving the preferred state (i.e. quality) of the global health care system.

Learning outcomes

After attending this course students will be able to...

1. Apply the elements of planning and quality assurance in health programs,
2. Taking notice of social and gender planning,
3. Initiate the process of monitoring through defined indicators for their own institutions,
4. Including data collection, data analysis, interpretation and dissemination,
5. Use the information as a quality assurance tool to aid local decision-making,
6. Encourage an interdisciplinary approach and teamwork in solving problems related to quality of health service delivery,
7. Create a "culture of quality", sensitive to clients' needs (urban poor/displaced).

Figure 113: EPICUR VURS Course Catalogue – View EPICUR Course

6.3.5 Add course to wish list

Table 89: EPICUR VURS Course Catalogue – Add course to wish list

Functionality Name	Add course to wish list
Relative Use case(s)	Sharing course catalogue
Relative Element	EPICUR VURS Course Catalogue
Actors	Any User
Input Data	An EPICUR course
Description	An anonymous user is navigating to EPICUR Course Catalogue home page, clicks to a course tile and uses "Add course to wish list option".
Output Data	A list of courses that is going to be used as input if a candidate wants to apply for a mobility programme

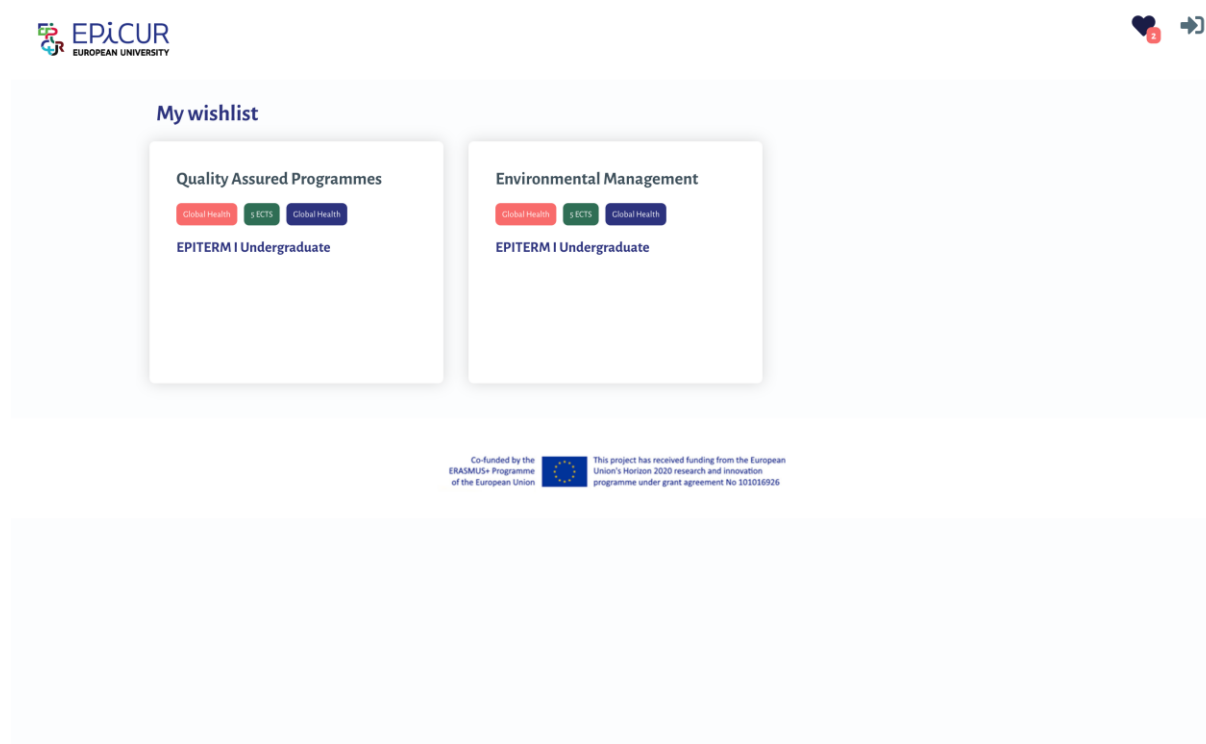


Figure 114: EPICUR VURS Course Catalogue – Add course to wish list

6.3.6 View Course Registry Catalogue

Table 90: EPICUR VURS Registrar – EPICUR Course Registry functionality

Functionality Name	View Course Registry Catalogue
Relative Use case(s)	Sharing data by the local universities
Relative Element	EPICUR VURS Registrar
Actors	Registrar User
Input Data	A request to the VURS API server is done, to fetch course registry items.
Description	Following the navigation bar, users with the required privileges for viewing course registry can view a list of courses provided by the local institutions by using the available course providers.
Output Data	

EPICUR Course Registry
The EPICUR Course Registry - EPICR- is a collection of courses published from EPICUR partners that are available for importing them into EPICUR Course Catalogue

Search More ▾

9475 Courses

Course code	Name	Organization	ECTS	Default language	Location
SS247163	Projekt-Praktika	Karlsruhe Institute of Technology		Deutsch	
SS246111384	Absolventenseminar Auenökologie	Karlsruhe Institute of Technology			
SS247900052	Entrepreneurship Research	Karlsruhe Institute of Technology	3		
SS2476-T-MACH-110796	Python Algorithm for Vehicle Technology	Karlsruhe Institute of Technology	4		
SS242182974	Workshop 'Working Methods in Mechanical Engineering' (IAM-ZM, Gumbach)	Karlsruhe Institute of Technology		Deutsch	
		Karlsruhe			

Figure 115: EPICUR VURS Registrar – EPICUR Course Registry functionality

6.3.7 Filter Course Registry Catalogue

Table 91: EPICUR VURS Registrar – Filtering course registry items functionality

Functionality Name	Filter Course Registry Catalogue
Relative Use case(s)	Sharing data by the local universities
Relative Element	EPICUR VURS Registrar
Actors	Registrar User
Input Data	The request to the API server contains system query options for filtering response.
Description	Following the toolbar, the user applies search parameters for filtering course registry items
Output Data	

The screenshot displays the EPICUR VURS Registrar interface. On the left is a sidebar menu with options: Instructors, Students, Teaching, Study Programs, Badges BETA, Educational Credentials BETA, Candidates, Requests, Registrations, Internships, More (dropdown), Scholarships, Statistics, Departments, and Archived Documents. The main content area is titled 'Course Registry' and includes a sub-header: 'The EPICUR Course Registry - EPICR- is a collection of courses published from EPICUR partners that are available for importing them into EPICUR Course Catalogue'. Below this is a search form with fields for 'Name' (containing 'Engineering'), 'Course code', and 'Provider' (a dropdown menu showing 'Karlsruhe Institute of Te...'). There are buttons for '<Select a saved search>', 'Save search', and a green 'Search' button. Below the search form, it says '363 Courses'. A table lists the courses with columns: Course code, Name, Organization, ECTS, Default language, and Internal identifier. The table contains three rows of course data.

Course code	Name	Organization	ECTS	Default language	Internal identifier
SS242182974	Workshop 'Working Methods in Mechanical Engineering' (IAM-ZM, Gumbsch)	Karlsruhe Institute of Technology		Deutsch	
SS247280002	Thermal Process Engineering	Karlsruhe Institute of Technology	6		
SS247308430	Modern Radio Systems Engineering	Karlsruhe Institute of Technology	4		

Figure 116: EPICUR VURS Registrar – Filtering course registry items functionality

6.3.8 Get course information provided by local institutions

Table 92: Get course information provided by local institutions functionality

Functionality Name	Get course information provided by local institution
Relative Use case(s)	Sharing data by the local universities
Relative Element	EPICUR VURS Registrar
Actors	Administrators, Registrar User
Input Data	A POST request initiates fetching courses procedure.
Description	Following the available options, a user with the required privileges starts an asynchronous operation of getting data from the selected course provider.
Output Data	The course information collected by the selected course provider will update EPICUR course registry.

EPICUR SIS Administration EPICUR

Course providers

Course providers are being used by EPICUR Course Registry services for consuming data and creating the list of EPICR courses.

Test Campus API Course Provider
 Test Campus API Course Provider Description
 Last run at Jul 24, 2024, 9:20:31 PM **Completed** [Run](#)

Test ECS Server Course Provider
 Test ECS Server Course Provider Description
 Last run at Jul 24, 2024, 7:51:51 PM **Completed** [Run](#)

More

- Scholarships
- Statistics
- Departments
- Archived Documents

Figure 117: Get course information provided by local institutions functionality

6.3.9 Course proposal by a professor

Table 93: Course proposal by a professor functionality

Functionality Name	Course proposal by the professors
Relative Use case(s)	Course proposal by the professors
Relative Element	EPICUR VURS Faculty App
Actors	Faculty Members
Input Data	A POST request completes a course proposal submitted by a faculty member.
Description	Following the available application form a faculty member can apply for a course proposal.
Output Data	

Add a new course proposal

The following form will guide you to add a new course proposal to the course catalogue. Please fill out the form with the necessary information and submit it to the system.

EPICUR EUROPEAN UNIVERSITY or **EPICUR C EUROPEAN UNIVERSITY**

The EPICUR Course Registry contains course information provided by local institutions. **Select course from EPICR**

The EPICUR Course Catalogue contains courses previously run in EPICUR. **Select course from EPICC**

Basic Information

Course title
Chimie organique 2

Course description
Normal B I U
Cet enseignement fait suite à celui du semestre 1. Il aborde les réactions d'oxydation et de réduction, la réactivité, ainsi que les transformations des composés organiques aromatiques et bioorganiques. Cette formation vise à élargir et approfondir la connaissance de la chimie organique dans le cadre d'un projet professionnel orienté vers les métiers de l'industrie ou de la recherche.

Write a short description for that course. This description will be visible in course catalogue.

Host institution
(UNISTRA) University of Strasbourg

Course identifier
FRUAI0673021VCOLHHP2QY6

Figure 118a: Course proposal by a professor functionality

Course schedule

Academic year
2024-2025

Start date
07/10/2024

Academic period
Fall

End date
28/11/2024

Additional information
Normal B I U
Monday 17:00-18:00 CET, Thursday 19:00-20:00 CET

Describe the meeting pattern or any other information that will help presenting course schedule in course catalogue

Estimated final assessment date
17/12/2024

Save **Submit**

Figure 119b: Course proposal by a professor functionality

6.3.10 Course proposal by a registrar office member

Table 94: Course proposal by a registrar office member functionality

Functionality Name	Course proposal by a registrar office member
<i>Relative Use case(s)</i>	Course proposal by a registrar office member
<i>Relative Element</i>	EPICUR VURS Registrar App
<i>Actors</i>	Registrar Office Members
<i>Input Data</i>	A POST request completes a course proposal submitted by a registrar office member.
<i>Description</i>	Following the available application form a registrar office member can apply for a course proposal.
<i>Output Data</i>	

EPICUR SIS Administration EPICUR

employee1@example.com en

Instructors

Students

Teaching

Courses

Classes

Exams

Course Proposals

Study Programs

Badges BETA

Educational Credentials BETA

Candidates

Requests

Registrations

Internships

More

Course Proposals

Name Course code

Host Institution

University of Freiburg

<Select a saved search> Save search Search Less

1 Course

Add

	Course code	Name	Host Institution	Priority Area	Form of participation	ECTS	Created at	Status
☐	2025170465	Einführung in die historische Soziologie SoSe 25	University of Freiburg	European Values	Online	4	7/28/24, 11:32 AM	Active

Figure 120a: Course proposal list

Figure 121b: Course proposal by a registrar office member functionality

6.3.11 Validation and approval of courses

Table 95: Validation and approval of courses functionality

Functionality Name	Validation and approval of courses
Relative Use case(s)	Validation and approval of courses
Relative Element	EPICUR VURS Registrar App
Actors	Administrators, EPICUR Coordinators
Input Data	A POST request completes a course proposal submitted by a faculty or registrar office member.
Description	Following the available options at course proposal list a user with the required privilege can validate and accept a course proposal.
Output Data	After accepting a course proposal, a new course is included into EPICUR Course Catalogue. It should be noted that VURS is using the European Learning Model (ELM) ²⁷ for the record of information concerning Learning Opportunities (namely courses, learning pathways, etc.) in a unified way.

²⁷ <https://europass.europa.eu/en/node/2128>

The screenshot shows the 'Course schedule' form in the EPICUR SIS Administration interface. The form is part of a larger panel with sections for 'Instructors', 'Other information', and 'Course recognition'. The 'Course schedule' section is expanded, showing fields for 'Academic year' (2024-2025), 'Start date' (2024-09-12), 'Academic period' (Fall), and 'End date' (2024-11-25). There is also a field for 'Estimated final assesment date' (2024-12-18). Below the form are two large buttons: 'Reject' (red) and 'Accept' (green).

EPICUR SIS Administration EPICUR Ac. Year 2022-2023 - Spring employee1@example.com en

Instructors More

Other information More

Course recognition More

Course schedule Less

Academic year 2024-2025 Start date 2024-09-12

Academic period Fall End date 2024-11-25

Additional information

Describe the meeting pattern or any other information that will help presenting course schedule in course catalogue

Estimated final assesment date 2024-12-18

Reject Accept

Figure 122a: Accept or reject course proposals

The screenshot shows the 'Course Proposals' section in the EPICUR SIS Administration interface. A search bar contains the text 'Einführung'. Below the search bar, there is a table with one course proposal. The table has columns for 'Course code', 'Name', 'Host Institution', 'Priority Area', 'Form of participation', and 'ECTS'. The course code is 2025170465, the name is 'Einführung in die historische Soziologie | SoSe 25', the host institution is 'University of Freiburg', the priority area is 'European Values', the form of participation is 'Online', and the ECTS value is 4. To the right of the table is an 'Add' button with a dropdown menu. The dropdown menu is open, showing options: 'Accept', 'Reject', 'Export', 'Select all', and 'Clear selection'.

EPICUR SIS Administration EPICUR employee1@example.com en

Instructors

Students

Teaching

Courses

Classes

Exams

Course Proposals

Study Programs

Badges BETA

Educational Credentials BETA

Candidates

Requests

Registrations

Internships

More

Course Proposals

Search Einführung More

1 Course

Add

	Course code	Name	Host Institution	Priority Area	Form of participation	ECTS
☒	2025170465	Einführung in die historische Soziologie SoSe 25	University of Freiburg	European Values	Online	4

Accept

Reject

Export

Select all

Clear selection

Figure 123b: Validation and approval of courses functionality

7 Virtual Campus Learning Platform (VCLP)

This section is presenting briefly the VCLP landing pages and the process of the decentralised course delivery in EPICUR using VCLP and the local (institutional) Learning Management Systems (LMSs).

7.1 Introduction

The VCLP is a full Learning Management System, based on ILIAS. It is completely web-based, hence requires only a web browser and no additional software to use it. Important information about the course offerings for students from the EPICUR partners is offered though the public available part of the VCLP (chapter 4.2). Login is possible with your existing university account (chapter 4.3). EPICUR courses can be directly hosted on the VCLP. However, the VCLP is also integrated with local LMS running at each university through a Decentralised LMS server. In such a way the EPICUR courses offered can be hosted on local LMS servers. EPICUR students from other universities can access the courses though the VCLP (chapter 4.4)

7.2 VCLP landing page

The VCLP offers a comprehensive landing page, where the different mobility programs are offered in large tiles in the typical EPICUR color scheme. There are also large buttons to log in, to apply for EPICUR courses via the VURS and a support and help page. Also, news are shown for upcoming EPICUR events. The page is designed in such a way that it is also easily readable on mobile devices. With limited space the layout of the page is adjusted accordingly. The main landing page is available for every visitor of the VCLP, a login is not required.



Welcome to EPICUR Inter-University Campus!

EPICUR is developing a wide variety of state-of-the-art teaching and learning formats with an emphasis on collaborative teaching and learning. EPICUR courses deal with multilingualism, tackle real-world problems, include interdisciplinary and intercultural perspectives, and aim to inspire critical thinking and autonomous and transformative learning.

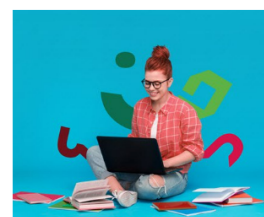
For more information about EPICUR visit our homepage at <https://epicur.education>.

For more information about specific courses, course dates and information on how to register, please click on the appropriate tiles below. Be epicurious!

Log in here!

Apply here!

Any questions?



Languages & Culture

Course catalogue and application

European Tracks

Sustainability & European Identities

Internships & Service Learning

Catalogue and application

Entrepreneurship Education

Course catalogue and application

EPICUR Community

of Learning & Teaching

PhD Exchange Programme

Catalogue and application

Latest News...

Registration for our new courses will be open again from 24 August to 18 September.

Application for EPIC Mission Guides open until July 07th!

Information Session
EPICUR / Launch Event European Tracks
May 06th, 2022 *** re-watch the event [here](#)***

Figure 124: The Landing Page of the VCLP

By clicking on one of the large, coloured tiles of the mobility program, the course catalogue is displayed. This course information is directly fetched from the VURS system by using a request in the background. This has the advantage that the course information only must be entered once by the EPICUR administrative staff at the local university. Interested students can browse the course catalogue and if logged in find a direct link to register for those courses. In addition, the VCLP also provides a help forum for students.

About Languages & Culture:

EPICUR considers language and culture to be vital for the communication within academic communities and for the interaction with societies. A good command of several European languages is a basic precondition to foster educational and research quality and facilitate learning experiences. Offering mobility programmes in the field of European language and culture is one of EPICUR's key priorities to promote multilingualism. In return linguistic and cultural diversity will nurture social cohesion and mutual understanding in Europe as well as improve the employability of students and researchers.

How to Proceed:



1. Choose and select one or more courses from the **Course Catalogue**. Additional admission criteria may apply. Check and confirm that your application complies to the generic **EPICUR Admission Criteria**.



Find your courses in the categories below and click the button **Apply now!** to log onto VURS (Virtual University Registrar System).

Submit your application online before the deadline. You will be requested to upload required documentation.



3. Once you've been approved, click the button **Access your course!**



Please check with the exam board of your home institution to determine whether you can transfer the ECTS earned during the (online) course abroad to your programme of study.

Detailed Course Catalogue and Application:

Modern Greek

Slavonic

Nordic/Scandinavian

Figure 125: Languages & Culture mobility program page

In order to maintain the clarity and a good overview of the available courses, the course catalogue in the VCLP is showing only a subset of all available attributes of a course, which consists of the most important information. If a student is interested in a course in detail, a link to the detailed course catalogue in the VURS is available.

13 WEEKS

Cultural studies

This course will introduce students to key concepts in cultural studies. We will begin by briefly discussing some key texts and theories in cultural studies mainly by Williams, Hall, Marx, Gramsci and Althusser. We will move on to the establishment of cultural studies as a discipline with reference to the Frankfurt School and the Birmingham School. The rest of the course will chart the areas modern Cultural Studies are covering looking at topics such as (new) media, consumption cultures, post-modernism, gender studies, social networking, subcultures, etc. Learning outcomes: Students will learn to differentiate key concepts of cultural analysis and familiarize themselves with its various research methodologies.

The introduction to cultural analysis will inform the student's understanding of cultural phenomena. S/he will learn to take a critical approach to the cultural sphere.

ARISTOTLE
UNIVERSITY OF
THESSALONIKI

Course term: - Meeting times: This course takes place in the Fall semester 2021/2022 The exact course dates and schedule will be communicated when available	Additional information: B2 in English (minimum) Required documentation: Language certificate B2 in English (minimum)	Language of instruction: English Focus language: Greek	ECTS: 6
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Etude des textes techniques et d'actualité.

Greek language course for advanced learners.

Université

de Strasbourg

Course term:	Additional information:	Language of instruction:	ECTS:
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Figure 126: Example of one EPICUR course as displayed in the VCLP course catalogue

7.3 Single Sign On

To access your courses or use non-public functionalities of VCLP as a teacher or student it is required to log in. VCLP does not require to register a new account. Instead, VCLP offers a Single Sign On mechanism, where the existing local account each member already has at their university is used for authentication. In such a way it is not necessary to store passwords on the VCLP. In addition, due to the Single-Sign-On aspect of Shibboleth, entering your user credentials is not required if you have already signed in on the Identity Provider for using another university system.

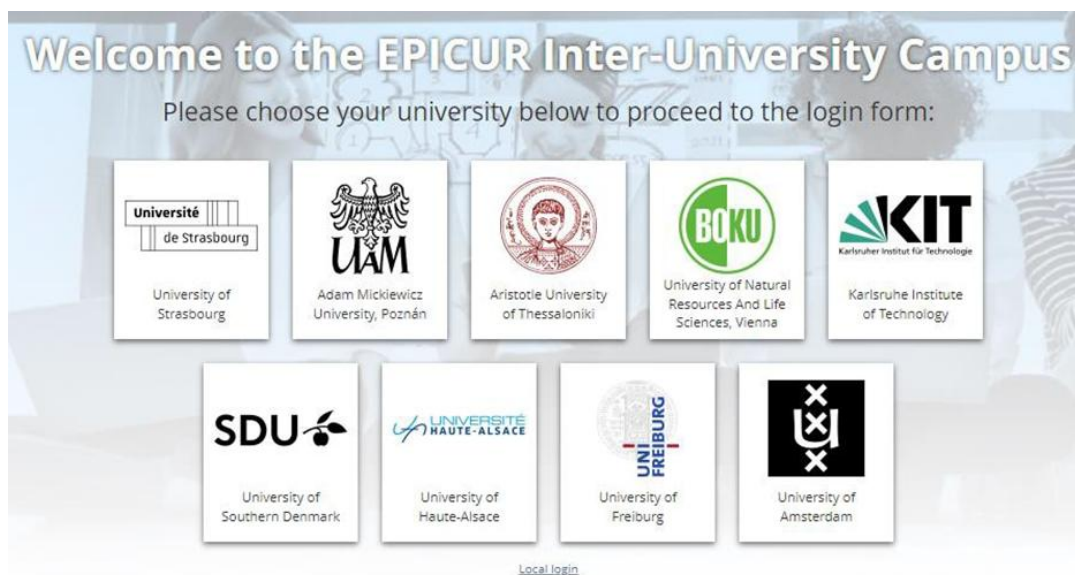


Figure 127: Login Screen of the VCLP – Selection of the home institution

The VCLP stores no passwords, but other personal data of EPICUR members, like first name, last name and email address. Since the VCLP is self-hosted by the Karlsruhe Institute of Technology, the KIT is also the responsible party or so-called “Controller of Data Processing”. The KIT hosts the VCLP on its own infrastructure at the “Steinbuch Centre for Computing” (SCC) and does not use any cloud storage outside the KIT facilities. The data privacy policy describes the rights for users according to the “General Data Protection Regulation” (GDPR) of the EU and states the technical measures the KIT has taken to protect the personal data from abuse.

7.4 Decentralised course delivery

Offering an EPICUR course directly on the VCLP requires the teachers in many cases to get familiar with a new Learning Management System. This requires additional training and support, which is time-consuming and might often cost money. This is especially true if you are not yet familiar with the ILIAS LMS. In addition, the same courses offered for EPICUR students are also offered as local courses at the university. In these cases, teachers would have to offer the same course on two different learning platforms (VCLP and local Learning Management System). Moreover, since both groups of students are in different LMS, they do not have the ability to communicate with the other student group via the platform (like chat, forums, comments etc.)

To overcome these limitations, the VCLP does use the feature to connect it to other LMS. This is achieved by bridging the VCLP to the other local LMS via a central middleware (Decentralised LMS server). This middleware is a message-based platform, which receives events as messages from one connected Learning Platform and routes this message to other Learning Platforms. This middleware platform is completely invisible to normal users and works in the background.

Any data exchange between the LMS and the Decentralised LMS server is done in a secured and encrypted way. The authentication of the LMS to the Decentralised LMS server is done by SSL client-certificates, so no third party gets access to the Decentralised LMS server or the connected LMS. Only client certificates issued

by the KIT can be used to identify and authenticate an approved LMS. The encryption of the messages is done by standardised Transport Layer Security (TLS).

The Decentralised LMS server is used in the EPICUR context for two important features:

- Course sharing from local LMS to the VCLP
- Course access to the local course from the VCLP

7.4.1 Course sharing

A course on one LMS can be shared (or released) with other connected LMS. While this would technically allow any course on one LMS to appear on all other platforms, this feature is restricted by administrative settings in such a way that it is only possible to share courses from local LMS to the VCLP. In the connected local LMS course settings an additional option is provided. Using this setting course administrators can share (or “export”, “release”) an existing course to the VCLP. This can be set for each course individually.

If a course administrator chooses to share a course to the VCLP, the course will appear on the VCLP in the main category “My EPICUR courses”. This category is linked directly from the landing page if the user is logged in. In addition to the name of the course a short description is also optional available. It also states the university on which the course is hosted.



Figure 128: The “My EPICUR courses” category contains the available courses for a student

However, any shared course will be at first invisible to any user except VCLP administrators. Only students who have been approved for a course will be able to see the course link. This is achieved through the VURS transmitting the approved user accounts to the VCLP via a web service. In doing so the students will have a better overview of their accessible courses and are not confused with a long list of inaccessible courses.

7.4.2 Course access

By clicking on a course that has been shared from a local LMS to the VCLP in the “My EPICUR courses” category, the logged in user will be directly forwarded to the local LMS and if necessary, a new user account on the local LMS will be created. This account is special in such a way, that it is for EPICUR students only and allows access to the local course. By Decentralised LMS server design it is always prefixed with the

organisation name set in the Decentralised LMS server, which is “EPICUR_” for the VCLP. For example, if a user has the VCLP account “john.doe@kit.edu”, the username on the local LMS will be “EPICUR_john.doe@kit.edu”.

Technically the authentication between the VCLP and the local LMS is done via the Decentralised LMS server. On clicking a course link on the VCLP, a special random token combined with a computed value (hash) of several user attributes is generated by the VCLP and transmitted to the Decentralised LMS server. Then the user will be forwarded to the course on the local LMS. Thereby also user attributes, like username, first and last name and email address are transmitted in the URL. The local LMS reads also the VCLP token from the Decentralised LMS server, calculates the hash value again and compares it. If both values match, the user is successfully authenticated. This process happens in the background and usually takes less than a second, so it is completely transparent to the user and does not disturb the user experience.

8 Future Work

The Alliance is working to develop subsystems that will better support the mobility of researchers and administrative staff, as well as the implementation of micro credentials and lifelong learning (LLL). In addition, EPICUR is working towards achieving interoperability not only with student information and course management systems, but also with quality assurance systems and impact assessment systems.

9 References

- Deliverable 4.1.2 *Procedures for evaluating courses and monitor mobility*. EPICUR Pilot phase, Project No: 612511-EPP-1-2019-1-FR-EPPKA2-EUR-UNIV. December 2021.
- Deliverable D4.2.3 *Guidelines and design for a Virtual University Registrar System (VURS)*. EPICUR Pilot phase, Project No: 612511-EPP-1-2019-1-FR-EPPKA2-EUR-UNIV. June 2022.
- Deliverable D3.1. *EPICURUS 1.0*. EPICUR-SHAPE-IT, ERASMUS-EDU-2022-EUR-UNIV-1, ERASMUS2027, Project No: 101089799. October 2024.