## **EMREX** in Poland

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### **1. Deployment of EMREX in Poland**

Poland has not been officially part of the field trial but anyway the development team from the University of Warsaw fully implemented EMREX SMP and NCP as modules of the student information system USOS (<u>http://usos.edu.pl</u>).

In the end of November 2016 USOS development team issued USOS 6.2.1 with fully operational version of EMREX.

In January 18th 2017 Vice Rector of the University of Warsaw made the decision to launch the EMREX module in Warsaw.

In February 2017 first four Polish higher education institutions were added to the EMREX Registry, then the other followed. In December 2017 the list contains:

- 1. University of Warsaw the biggest Polish HEI,
- 2. Jagiellonian University in Kraków second biggest Polish HEI,
- 3. Adam Mickiewicz University in Poznań third biggest Polish HEI,
- 4. Nicolaus Copernicus University in Toruń 8th biggest Polish HEI,
- 5. Maria Curie-Skłodowska University in Lublin,
- 6. University of Opole,
- 7. University of Bialystok.

In the University of Warsaw EMREX was used as SMP for the first time on June 14th, 2017 to transfer data from another Polish university (Adam Mickiewicz University in Poland), and on June 23rd, 2017 to transfer data from the university abroad (Blekinge Tekniska Högskola in Sweden). EMREX was used as NCP on May 4th, 2017 to transfer data to another Polish University (University of Warmia and Mazury in Olsztyn) – not even registered in the EMREX registry.

In June 2017 Polish HEIs, members of MUCI, participating in the internal mobility program MOST, met in Warsaw to discuss EMREX. They decided to encourage students who spend the last academic year or semester in one of the MOST institutions to transfer their achievements using EMREX.

In November authorities from Polish HEIs, representatives of the Ministry of Science and Higher Education, and other stakeholders met in the University of Warsaw to start discussion on the possibility to organize in Poland central admission for higher education, architecture of such admission and the roadmap. EMREX will offer IT support for the admission process.

Poland has a separate field trial page in the EMREX web portal.

### 2. Polish DEMO installation in Warsaw

Polish DEMO installation in Warsaw is protected by the LDAP account. Before you start testing, visit the page <u>http://usosweb.demo.usos.edu.pl</u> (USOSweb) or <u>https://usosadm.demo.usos.edu.pl/usosadm/</u> (USOSadm) and log in using the first set of credentials (contact <u>usos@usos.edu.pl</u> to get the authorization data). The first authorization step can be recognized by the arrow pointing to the first arc at the top part of the screen.

Our DEMO sites may require you	to sign in <b>twice</b> :
<ol> <li>The first authentication (the or you (the external developer or ing accessed by anonymous us contact us to get your credent</li> <li>Description of the second auth thentication first.</li> </ol>	ne you are seeing <b>right now</b> ) serves to identify tester) and protects our test servers from be- ers. Registration is performed manually - please ials. hentication is hidden. Complete the first au-
<u>U</u> sername:	
Password:	
	Remember me
	Sign in

**USOSweb** is a portal for students and academic staff. **USOSadm** is a portal for the administration. Both applications have their own databases, which are synchronized on demand (usually all tables are synchronized each night and some chosen tables every quarter of an hour).

To login to any of these applications use the second set of credentials in the login window shown below.

	SOS
Congratulations on bringing CAS or default authentication handler conf	nline! To learn how to authenticate, please review the iguration.
Enter your Username and Passwor	d
<u>U</u> sername:	
Password:	
Re	member Me
C. C	LEAR LOGIN
	forgotten password   polska wersja

Polish SMP is part of USOSweb. Visit <u>https://usosweb.demo.usos.edu.pl/</u>.

Log in, go to **STUDENT'S SECTION** (upper menu)  $\rightarrow$  **grades** (left menu)  $\rightarrow$  **EMREX** (submenu). Choose **Start new import**, and then NCP from the list of countries and HEI from the list of HEIs inside the country. Direct link is the following:

https://usosweb.demo.usos.edu.pl/kontroler.php?\_action=dla\_stud/studia/oceny/emrex/smp

Polish **NCP** is also part of USOSweb. Direct link is the following: <u>https://usosweb.demo.usos.edu.pl/ncp\_endpoint.php</u>

### 3. EMREX Debugger/Validator

EMREX on-line Debugger/Validator can be used to validate an XML file against the official <u>EMREX</u> <u>ELMO Schema</u>. The file can be fetched from the existing NCP server or uploaded manually. Validator is available at: <u>https://public.usos.edu.pl/emrexdump/</u>.

EMREX Validator	
This page lets you validate an XML file against the official <u>EMREX ELMO Schema</u> can be fetched from your existing NCP server, or uploaded manually. <b>First, select the schema version</b> Select the mode of operation:	. The file
Option 1. Fetch the file from NCP Select NCP to invoke (dynamically updated from all EMREGs): select ~ Or paste a custom NCP URL: https://usosweb.uw.edu.pl/ncp_endpoint.php Make an NCP request	Option 2. Upload the file manually Upload your ELMO file here: Przeglądaj Nie wybrano pliku. Or paste its contents here:

### 4. Scenarios with screen shots

### 4.1. Import/export of achievements in DEMO environment

 Polish student logs in to his student portal (USOSweb) at the University of Warsaw, goes to STUDENT'S SECTION →grades → EMREX, clicks Start new import.



2. The list of countries obtained from the EMREX registry is shown on the screen. The student chooses Finland.

INTRODUCTION REGISTRATIONS 0 calendar 0 cart 1 for courses 0 direct for groups 0 group preferences 0 for exams 0 for exams 0 token registrations	University of Wars	aw vements data	WARSZAWA	Sido (rgs) Protectived Reps Godination Quede Beneric
	step 1	step 2	step 3	
MY STUDIES b tests				
<ul> <li>grades</li> <li>my grades</li> <li>EMREX</li> <li>linkage</li> <li>POL-on</li> <li>decisions</li> <li>promotions</li> </ul>	Choice of country/institution Choose country and instit	Export	Confirmation	University of Warsaw
<ul><li>dean's groups</li><li>rankings</li></ul>	Test] Finland			mobility data exchange service.
<ul> <li>applications</li> <li>stipends</li> <li>student mobility</li> </ul>	[Test] Italy			This service is a part of an international project (EMREX) which is still in the stages of being developed and tested. If you encounter
diplomas	[Test] Norway			any technical problems please report it in your dean's office.
	[Test] Poland			
	[Test] Sweden			test.
	[Test] Denmark			
	[Test] Netherlands			

3. If there is one NCP per country, the student is redirected straight to the login window, otherwise he is shown the list of institutions inside country (the list is obtained from the EMREX registry). In case of Finland the student is redirected to the Finnish Central Authorization System Haka.

	Haka
EMF pers after	REXtest NCP requires authentication. Required onal data is transferred automatically to the service authentication.
Hak	a Test-Idp 🗸 🗸
	Remember selection for this web browser session.
	SELECT

4. The student logs in.

Jsername	Login to EMREXtest NCP
Swen	Service: EMREXtest NCP
Password	Description: EMREX testserver NCP Privacy Policy: Privacy Policy Service
•••••	
Clear prior granting of permission	
or release of your information to this service.	

5. The list of courses is displayed, the student can select courses to import.

		Su	pporting St	udent Mobility	y (EMREX)						Current	
Find	and	select	t results to imp	ort								
Filter	Resu	lts										
Educa	tion Ins	titutions		Туре	Level				Time Pe	riod		
⊠ce				Course	Anv	Anv V						
			_									
Impo	rt select	ted Can	cel									
CEN	FRIA A	ММАТТІ	KORKEAKOULU O'	Y ()								
	ID	Code	Title			Part of	Level	Туре	Credits	Results	Date	
	0	0	Cisco Academy Sem	lester 3		-		Course	3 ECTS	5		
	1	1	Finnish Language an	d Culture		-		Course	6 ECTS	2		
	2	2	Finnish Language Ele	ective		-		Course	3 ECTS	suoritettu		
	3	3	Harjoittelu			-		Course	10 ECTS	suoritettu		
	4	4	Management in Manu	ufacturing		-		Course	5 ECTS	2		
	5	5	Personal and Profess	sional development 2		-		Course	1 ECTS	suoritettu		
	6	6	Risk Management			-		Course	2 ECTS	3		

6. The student confirms the selection.

$\langle \rangle$	s	upporting Student Mobility (EMR	EX)					Cor
leview	/ and c	onfirm selection						
Almost d fou have s mport the Confirm s ENTRIA	election	import 68 courses. Please review your selection below and approve it your home institution. Cancel Change selection TIKORKEAKOULU OY ()	a					
ID	Code	Title	Part of	Level	Туре	Credits	Results	Date
0	0	Cisco Academy Semester 3			Course	3 ECTS	5	
1	1	Finnish Language and Culture			Course	6 ECTS	2	
2	2	Finnish Language Elective			Course	3 ECTS	suoritettu	
3	3	Harjoittelu			Course	10 ECTS	suoritettu	
4	4	Management in Manufacturing			Course	5 ECTS	2	
5	5	Personal and Professional development 2	-		Course	1 ECTS	suoritettu	
6	6	Risk Management			Course	2 ECTS	3	

7. The student is back in the portal of the University of Warsaw. The system recognized that the personal data of the student logged in Poland and in Finland does not match and displays warning.

	Ulrychaw		Sa Sa	iska Kępa	Przyczółek
INTRODUCTION	Czyste	WARSZAWA	Solec		Groumowski
	THE TREAM		19-19		NG CO
REGISTRATIONS	I have a first of the		ST P P	Kepa Godawska	Osiedke.
b calendar	University of Warsaw	Poludniowe	IPI - A		
b for courses					A COLORED AND A
direct for groups					
group preferences					
b for exams b token registrations	Import your achievements d	ata			
• token registrations	ctop 1	ctop 2		ton 3	
MY STUDIES	Step 1	Step 2	2	Contraction of the second seco	
D tests	•	•		•••	
grades     my grades	Choice of country/institution	Export	Con	firmation	
D EMREX					
D linkage				-	
D POL-on	ELMO file has been imported correctly				
promotions	Imported data come from the institution:	CENTRIA AMMATTIKORKEAKOULU OY			
dean's groups	To complete the process click "Apply " ar	nd provide the necessary data. You will be r	adiracted to the survey		
D rankings	To complete the process, enter reprij of				
<ul> <li>applications</li> <li>stipends</li> </ul>					
student mobility	4				
D diplomas	Data in the ELMO file does not match data	a in the database. List of inconsistencies:			
	<ul> <li>given names - (Swen)</li> <li>family name - (Mäntyoksa)</li> </ul>				
	<ul> <li>date of birth - ()</li> </ul>				
	If you want, you can also preview the files being se	nt:			
	<ul> <li>PDF file (optionally digitally signed),</li> </ul>				
	<ul> <li>EMREX-ELMO file (digitally signed).</li> </ul>				
	Courses not linked with any study prog	ram			
	courses not million man any state, prog				
	No. Course	Academic	Grades	Class EC	TS
		term			
	1 Cisco Academy Semester 3 (FI)		5	not 3.0 available	
	Einnich Language and Culture (ET)			not	
			2	available 6.0	
	, Finnish Language Elective (FI)		quaritattu	not 2.0	
	3 2		suomettu	available	<u></u>
	4 Harjoittelu (FI)		suoritettu	not 10.	.0
	3			avallable	
	5 Management in Manufacturing (FI) 4		2	not 5.0	)
	Personal and Professional development 2 (Eth			not	N. 1
	6 5		suoritettu	available 1.0	
	7 Risk Management (FI)		3	not 20	
	6			available	

8. The student opens PDF file with transcript of records (only fragment is shown).

	Source: Emre	ex - Supporti	ng Student Mo	obility - 201	6-11-1 <mark>1</mark> -	in Finlaı
Trans	cript for Swen Mäntyoł	ksa ()				
Code	Title	Level	Туре	Credits	Result	Date
0	Cisco Academy Semester 3		Course	3.0	5	
1	Finnish Language and Culture		Course	6.0	2	
2	Finnish Language Elective		Course	3.0	suoritettu	
3	Harjoittelu		Course	10.0	suoritettu	
4						
C	Management in Manufacturing		Course	5.0	2	
0	Management in Manufacturing Personal and Professional development 2		Course Course	5.0 1.0	2 suoritettu	

9. The student opens XML file with structured information about achievements (only fragment is shown).



10. Import is completed. The student can start a new import or view the list of previous imports. All the details (XML and PDF files) available for inspection under the *details* link.



The student can also click the link *notify the dean's office* and send e-mail to the student's office with the information about the imported grades (this is one of the options the student can use to get the resulted recognized).

Notify the dean's office about impo	rted grades	
Select study programme and stage	Master's degree, second cycle programme, Computer Science [S2-INF]	A NAME AND A
E-mail address of the dean's office to receive achievements data		University of Warsaw
Message for the dean's office		You're using a <b>beta</b> version of the stu mobility data exchange service.
Cancel	Continue	This service is a part of an internation project (EMREX) which is still in the st of being developed and tested. If yu encounter any technical problems play report it in your dean's office.

11. Another student logs in to the University of Warsaw portal. This time personal data match and appropriate information is displayed on the screen.

INTRODUCTION REGISTRATIONS D calendar D cart D for courses D direct for groups D group preferences D for exams D token registrations	University of Wars	aw vements data	WARSZAWA Sridemiese Polućinowe	Soler S	Aska Kepa Proycożeki drowiowska Kepa Godavska
• ••••••	ctop 1		stop 2		cton 3
MY STUDIES	Step 1		Step 2	2	
o tests	•		•		•••
D my grades	Choice of country/institut	ution	Export	Сог	nfirmation
D EMREX					
D POL-on					
decisions	ELMO file has been im	ported correctly			
b dean's groups	Imported data come fi	rom the institution: Tampereen	Yliopisto		
D rankings	To complete the proce	ess, click "Apply " and provide the	e necessary data. You will be	redirected to the survey.	
p applications p stipends					
student mobility	ELMO file has been verified success	sfully			
0 diplomas	If you want, you can also previev	v the files being sent:			
	PDF file (optionally digitally signal	gned),			
	<ul> <li>EMREX-ELMO file (digitally sig</li> </ul>	gned).			
	(fi) Orjentoituvat opinnot				
	Crade	ECTS cr	adite		
	Univ	2			
	Нуу	2			
	(fi) Tietotekniikkataidot				
	Grade	ECTS cre	edits		
	Нуv	3			
	(fi) Ruotsin kielen kirjallin	en ja suullinen viestintä	ä		
	Grade	ECTS cre	edits		
	Hyv	0			
	(all by				
			Nuclearly dealers and		
		Cancel Apply	Notify the dean's offi	ce and confirm	

12. Here starts another scenario. This is the Norwegian student who logs in to Feide authorization system.

SW Stud	entweb ty of Oslo-utv			Bytt bruk
Log on using	Feide Feide is the chosen solution of the Department of Education for secure identification in the education	FEIDE	Users from Norwegian universities and colleges	
	sector Log on using Feide	Norwegian PIN	ID number and	
		X	Log in using ID-porten with MinID, BankID, Buypass or Commfides	

13. The student wants to import data from the Polish institution. This time the student has to choose the country and then institution inside the country.

Studies M	My active courses	Results	More 🔻				English 👻	上 Borghild Aga 🝷
	versity of Oslo-u	<b>}b</b> itv						Choose from list 💌
	Choo	1 se country	2 Get result	ts Impor	3 t results	4 Confirmation		Curces
Here you can by the issuing This process education inst Choose count [Test] Pc	fetch results from institution, and ye is part of EMREX, titutions. try:	ı another h ou will havı , an interna	igher education ir e the possibility to ational project for	nstitution in Euro o import them to electronic transf	pe. The resu Studentweb. er of student	Its will be digitally records between	signed higher	
Choose institu University of	ution: f Warsaw 💌							
Go to chos	sen country	ie contact p	point in the chose	en country. After y	you have cho	osen the results yo	ou wish to tra	ansfer, you will be sent

14. The student is redirected to the Polish student portal. Student logs in.

Ultydrov Cayae WAR5ZAWA Solec University of Warsaw Solection States	Saska Kepa Przycołek Groce wsko Kepa Godawska Do Jan
Send your achievements data	
Look out. You are about to send your personal data, along with some information on your grades, courses and study programmes, to an external application.	University of Warsaw
Sign in to continue	You're using a <b>beta</b> version of the student mobility data exchange service.
ADDITIONAL INFORMATION You will see the courses to be included in the report after you sign.	This service is a part of an international project (EMREX) which is still in the stages of being developed and tested. If you encounter any technical problems please
	report it in your dean's office.

- 15. The student is redirected to the EMREX web page. The student can select/deselect courses to be imported. Grade distribution is also shown and sent in both XML and PDF (see the *Grades* column). It is calculated according to the following rules:
  - number in brackets is the percentage of students obtaining the same grade,
  - number preceding the brackets is the percentage of students obtaining a lower grade,
  - number following the brackets is the percentage of students obtaining a higher grade,
  - total number of grades must exceed 25, otherwise "n/a" (not available) is displayed.

INTRODUCTION REGISTRATIONS D calendar D cart D for courses D direct for groups D group preferences D for exams D token registrations MY STUDIES D tests D grades	Send your achievements data Look out. You are about to send your personal data, along with some information on your grades, courses and study programmes, to an external application. The report which we are going to send to the external application will include the information on your grades and other achievements related to the courses selected below. The report will contain PDF file with your achievements. Choose the language for this document: Polish © English	chievements data         ou are about to send your personal data, along with some ton your grades, courses and study programmes, to an external         e going to send to the external application will include the des and other achievements related to the courses selected         PDF file with your achievements. Choose the language for this document:			
<ul> <li>my grades</li> <li>EMREX</li> <li>Iinkage</li> <li>POL-on</li> <li>decisions</li> <li>promotions</li> </ul>	Select/deselect all				
<ul> <li>dean's groups</li> <li>rankings</li> </ul>	Course	Hours of classes	Grades 🚺	ECTS credits	
<ul> <li>applications</li> <li>stipends</li> <li>student mobility</li> </ul>	Foundations of Theory of Music 1 (class) 3106-2PT1-C	15 hours CW	<b>3,5</b> n/a	1	
D diplomas	✓ Harmony 3106-2HA	30 hours CW	<b>3,5</b> 36 (12) 52	4	
		30 hours CW	<b>4,5</b> n/a	2.5	
		30 hours WYK	<b>3,5</b> 33 (19) 48	3	

16. This page is part of USOSweb. Any time the student can switch to another page. After the student comes back to the EMREX page, he finds the link to abandoned session and can continue.

INTRODUCTION REGISTRATIONS D calendar D cart D for courses	University of Warsaw	Soler Endarrador End Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador Endarrador End
<ul> <li>b direct for groups</li> <li>b group preferences</li> <li>c) for exams</li> <li>b token registrations</li> <li>MY STUDIES</li> <li>b tests</li> <li>b grades</li> <li>b my grades</li> <li>b EMREX</li> <li>b linkage</li> <li>b POL-on</li> </ul>	During the last hour you have started the process of exporting data to the external institution. • 3 minutes ago - continue Send your achievements data In this module, you can import your achievements from the external institution.	University of Warsaw
<ul> <li>decisions</li> <li>promotions</li> <li>dean's groups</li> <li>rankings</li> <li>applications</li> <li>stipends</li> <li>student mobility</li> <li>diplomas</li> </ul>	Start new import	You're using a beta version of the student mobility data exchange service. This service is a part of an international project (ENREX) which is still in the stages of being developed and tested. If you encounter any technical problems please report it in your dean's office.

17. On this page the student can select/deselect courses (depending on how the system is configured).

	30 hours WYK	<b>3,5</b> n/a	4
	30 hours SEM-LIC	<b>5</b> n/a	6
✔ Archaeomusicology in practice 3106-PRACARCH	30 hours KON	<b>4</b> n/a	2.5
	30 hours CW	<b>3</b> n/a	2
	30 hours CW	<b>4,5</b> n/a	3
History of Music - Romantic and Neoromantic Period 3106-1RN-W     ■	30 hours WYK	<b>3,5</b> n/a	3
☑ Introduction to the psychology of music. 3106-PPM	30 hours KON	<b>3</b> n/a	3
	60 hours LEK	LEK: 3 n/a	2
Spring semester 2015/16			
Course	Hours of classes	Grades i	ECTS credits
Examination in Russian - B2, upper intermediate level 0000-ROSB2EC	EGZ	EGZ: 3 30 (14) 56	2
	30 hours CW	<b>5</b> n/a	3
✔ History of Polish Music: 18th-20th centuries 2 3106-1PL2-C	30 hours CW	<b>4</b> n/a	2
	30 hours WYK	<b>4,5</b> n/a	3
	30 hours WYK	<b>4,5</b> 79 (10) 11	2
€ Music Criticism and Journalism 3106-2KP2	30 hours CW	<b>4,5</b> n/a	2
Course	Hours of classes	Grades i	ECTS credits
	30 hours CW	CW: 3,5 n/a	4
Sum of credits: 125.			
Continue Cancel			

18. The student can preview XML and PDF, then clicks Export.



19. The student is back in Norway on the page with the list of courses. Can view PDF file, can confirm the import by clicking **Import the results**.

	1 2 Choose country Get resi	ults Impo	3	4			C.
DEMO University	Control Country Correct			Johnmador			
Results							
3106-2PT1-C	Foundations of Theory of Music	Winter semeste	er 1	ECTS	3,53,5		
231425-2	Class	2013/2014		ECTS			
3106-2HA	Harmony	Winter semeste	er 4	ECTS	3,53,5		
231414-2	Class	2013/2014		ECTS			
3106-1SW-C	History of Music in the Middle	Winter semeste 2013/2014	er 2.5	ECTS	4,54,5		
231408-1	Class	2010/2011		ECTS			
3106-1SW-W	History of Music - the Middle Ages	Winter semeste 2013/2014	er 3	ECTS	3,53,5		
231409-1	Lecture			ECTS			
3106-WST-C	Introduction to Musicology	Winter semeste 2013/2014	er 3	ECTS	55		
1900-1ACS-OG	Man and environmer	ıt	Spring semester		2	ECTS	4,54,
289148-1	Lecture		2015/16			ECTS	
3106-2KP2	Music Criticism and J	lournalism	Spring semester 2015/16		2	ECTS	4,54,
305437-1	Class					ECTS	
3006-KP-OG	Rhetorics and Comm	unication	Academic year 2015/16		4	ECTS	
292450-1	Class					ECTS	3,5

20. On the next page the student finds the link to the EMREX survey (available only during the EMREX project).

Studies My active courses Results M	ore 🔻			English 👻	💄 Borghild Aga 👻
Studentweb University of Oslo-utv					Bytt bruker •
An error has occurred.					
1 Choose country Thank you, the results have now been delive	2 Get results In red to University of Oslo-u	3 nport results itv.	4 Confirmation		(mines)
This process is part of EMREX, an internation education institutions. The project is now in a minutes to fill inn the following questionnaire Take me to the questionnaire Start the process again	nal project for electronic tra n early phase, and we wo about your experience with	ansfer of student red uld appreciate if you h it. The answers wi	cords between h could spend a f Il be anonymized	igher ew 1.	

#### 21. The student fills in the survey.

	1 - Strongly disagree	2 - Disagree	3 - Neutral	4 - Agree	5 - Strongly agree	No opinion
EMREX is easy to use.	0	0	0	0	0	0
The instructions are clear and understandable.	0	0	0	0	0	0
EMREX works fast.	0	0	0	0	0	0
I was able to import all relevant data (courses, grades) using EMREX.	0	0	0	0	0	0
The EMREX interface is visually appealing.	0	0	0	0	0	0
I am satisfied with how EMREX works.	0	0	0	0	0	0
I would recommend EMREX to other mobile students.	0	0	0	0	0	0
Do you have any other comments about EMRE	X?					

22. This page shows details of the courses imported from Norway to Poland. Some course are linked to the study program, others are not.

Vo.	Course	Academic term	Grades	Class	ECTS cred
L	Introductory Course to the Practical Pedagogical Education (en) Innføringskurs PPU (no) PPU3110-1	2009 Autumn (en) 2009 Høst (no)	Bestått	not available	10
2	Practical Pedagogical Education, Main Component (en) PPU hoveddel (no) PPU3120-1	2010 Spring (en) 2010 Vår (no)	с	not available	50
ours	ses not linked with any study program				
۷o.	Course	Academic term	Grades	Class	ECTS credit
L	Everyday Law (en) Hverdagijus semesteremne (no) HVEJUSEM-1	<b>1990 Autumn (en)</b> 1990 Høst (no)	Bestått	not available	30
2	General Linguistics, preliminary test (en) Forprøve i lingvistikk (no) FOLING-1	1999 Winter (en) 1999 Vit (no)	Bestått	not available	9
3	Systematic Musicology (en) Systematisk musikkvitenskap (no) MUS1450-1	2012 Spring (en) 2012 Vår (no)	D	not available	10
Ļ	The Teaching of Music (en) Musikkpedagogikk (no) MUS2322-1	<b>2012 Spring (en)</b> 2012 Vår (no)	В	not available	10
5	Språkutvikling og fagrelaterte lærevansker (en) Språkutvikling og fagrelaterte lærevansker (no) SPED3100-1	2012 Autumn (en) 2012 Høst (no)	D	not available	15
5	Kognisjon, nevrologi og sanserelaterte lærevansker (en) Kognisjon, nevrologi og sanserelaterte lærevansker (no) SPED3200-1	<b>2012 Autumn (en)</b> 2012 Høst (no)	с	not available	15
,	Psykososiale lærevansker og personlighetsutvikling (en) Psykososiale lærevansker og personlighetsutvikling (no) SPED3300-1	<b>2013 Spring (en)</b> 2013 Vår (no)	A	not available	15
3	Migrasjonsrelaterte lærevansker (en) Migrasjonsrelaterte lærevansker (no) SPED3400-1	2013 Spring (en) 2013 Vår (no)	D	not available	15
,	Music and body movements (en) Musikk og bevegelse (no) MUS2006-1	2014 Spring (en) 2014 Vår (no)	с	not available	10
10	Popular Music Studies (en) Populaermusikkstudier (no)	2014 Spring (en) 2014 Vår (no)	в	not available	10

23. This page shows the EMREX page in USOSweb. The list of all previous imports is available. Any time the student can choose any import to see XML and PDF.

INTRODUCTION REGISTRATIONS calendar for courses	University of	c <sub>ya</sub>	WARSZAWA		sala kigo Proceski pare a roja Godensian
Idirect for groups     direct for groups     droup preferences     for exams     token registrations      MY STUDIES     tests     grades     my grades     EMREX     Inikage     DOL con	Import your ac In this module, you List of imports	hievements data can import your achievements fro Start new impor	om the external institution.		University of Warsaw
D decisions		Showing elements 14 (out of 4)			
D promotions	data i godzina	uczelnia	status		You're using a beta version of the student
<ul> <li>D applications</li> <li>D rankings</li> </ul>	2016-11-04 19:10:42	Università degli Studi di Siena - TEST	Import completed - data has been saved	details	mobility data exchange service.
<ul> <li>applications</li> <li>stipends</li> </ul>	2016-11-04 18:47:04	DEMO University	Import completed - data has been saved	details	This service is a part of an international project (EMREX) which is still in the stages of being developed and tested. If you
<ul><li>student mobility</li><li>surveys</li></ul>	2016-11-04 18:43:21	University of Warsaw	Import completed - data has been saved	details	encounter any technical problems please report it in your dean's office.
<ul> <li>payments</li> <li>diplomas</li> </ul>	2016-11-04 18:39:09	CENTRIA AMMATTIKORKEAKOULU OY	Import completed - data has been saved	details	

24. The example of the Polish transcript of records (the upper fragment of the PDF file), with the grade distribution.

	CRIPT OF RECORDS			
INFORMATION ON THE STUDENT Surname: Aba First name(s): Borghild Date of birth (day, month, year): 27.11.1963 Student identification number or code: 1234224010				
INFORMATION ON THE STUDIES				
Name of the programme: <i>Musicology, full-time, first cycle</i> Field of study: <i>Musicology</i> Level of qualification: <i>first cycle programme</i> Form of study: <i>full-time</i>	e programme			
Name of the programme: General and clinical speech the Field of study: General and Clinical Speech Therapy Level of qualification: first cycle programme Form of study: full-time	erapy, full-time first-cycle studies			
INFORMATION ON THE RESULTS GAINED Courses by didactic cycles	anguage of Type/No. of hrs instruction	Grade	Distribution %	ECTS
Winter semester 2013/2014				
(3106-2PT1-C) Foundations of Theory of Music 1 (class)	PL cw 15	3,5	n/a	1
(3106-2HA) Harmony	PL cw 30	3,5	36 (12) 52	4
(3106-1SW-W) History of Music - the Middle Ages	PL wyk 30	3,5	33 (19) 48	3
(3106-1SW-C) History of Music in the Middle Ages	PL cw 30	4,5	n/a	2.5
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology	PL cw 30 PL cw 30	4,5 5	n/a 92 (8) 0	2.5 3
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times	PL cw 30 PL cw 30 PL wyk 30	4,5 5 3	n/a 92 (8) 0 15 (15) 70	2.5 3 2
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level	PL cw 30 PL cw 30 PL wyk 30 RU lek 60	4,5 5 3 [5]	n/a 92 (8) 0 15 (15) 70 89 (11) 0	2.5 3 2 2
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14	PL cw 30 PL cw 30 PL wyk 30 RU lek 60	4,5 5 3 [5]	n/a 92 (8) 0 15 (15) 70 89 (11) 0	2.5 3 2 2
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30	4,5 5 3 [5] 3,5	n/a 92 (8) 0 15 (15) 70 89 (11) 0	2.5 3 2 2 1
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30	4,5 5 3 [5] 3,5 3	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a	2.5 3 2 2 1 3
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2 (3106-1RE-C) History of Music - the Renaissance Period	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30 PL cw 30	4,5 5 3 [5] 3,5 3 5	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a	2.5 3 2 2 1 3 2.5
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2 (3106-1RE-C) History of Music - the Renaissance Period (3106-1LAT2) Latin language course 2	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30 PL cw 30 PL cw 30	4,5 5 3 [5] 3,5 3 5 3	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a n/a	2.5 3 2 2 1 3 2.5
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2 (3106-1HA2) Harmony 2 (3106-1RE-C) History of Music - the Renaissance Period (3106-1LAT2) Latin language course 2 (3106-1LO) Logic	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30 PL cw 30 PL lek 30 PL lek 30 PL wyk 30	4,5 5 3 [5] 3,5 3 5 3 [3,5]	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a n/a n/a	2.5 3 2 2 1 3 2.5 2
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2 (3106-1HA2) Harmony 2 (3106-1RE-C) History of Music - the Renaissance Period (3106-1LAT2) Latin language course 2 (3106-1LO) Logic (3106-1LAM) Musical Acoustics	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30 PL cw 30 PL lek 30 PL lek 30 PL wyk 30 PL wyk 30	4,5 5 3 [5] 3,5 3 5 3 5 3 [3,5] 4,5	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a n/a n/a n/a n/a	2.5 3 2 2 1 3 2.5 2 2 2 2
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2 (3106-1HA2) Harmony 2 (3106-1RE-C) History of Music - the Renaissance Period (3106-1LAT2) Latin language course 2 (3106-1LAT2) Latin language course 2 (3106-1LAT2) Latin language (3106-1LAT2) Latin Latin Latin Latin Latin Latin Lati	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30 PL cw 30 PL lek 30 PL lek 30 PL wyk 30 PL wyk 30 PL wyk 15	4,5 5 3 [5] 3,5 3 5 3 [3,5] 4,5 4	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a n/a n/a n/a n/a n/a	2.5 3 2 2 1 3 2.5 2 2 2 2 1
(3106-1SW-C) History of Music in the Middle Ages (3106-WST-C) Introduction to Musicology (3106-MWS-W) Music in ancient times (4024-ROSOB1) Russian - intermediate level Summer semester 2013/14 (3106-1ET1-C) Ethnomusicology 1 (3106-1HA2) Harmony 2 (3106-1HA2) Harmony 2 (3106-1RE-C) History of Music - the Renaissance Period (3106-1LAT2) Latin language course 2 (3106-1LAT2) Latin language course 2 (3106-1LAT2) Latin language course 2 (3106-1LAM) Musical Acoustics (3106-KMS2) Musical Acoustics (3106-KMS2) Musical Cultures of the World 2 (4024-ROSOB1) Russian - intermediate level	PL cw 30 PL cw 30 PL wyk 30 RU lek 60 PL cw 30 PL cw 30 PL cw 30 PL lek 30 PL lek 30 PL wyk 30 PL wyk 30 PL wyk 15 RU lek 60	4,5 5 3 [5] 3,5 3 5 3 [3,5] 4,5 4 [5]	n/a 92 (8) 0 15 (15) 70 89 (11) 0 n/a n/a n/a n/a n/a n/a n/a 92 (8) 0	2.5 3 2 2 1 3 2.5 2 2 2 2 1 2

### 4.2. Import/export of achievements in PROD environment (Poland-Norway)

1. Student Robert from the University of Warsaw spent summer semester 2016 in the Arctic University of Norway.



2. The student returns home after the last exam, does not have to wait in Norway for the paper version of the transcript of records. At some moment the student signs in to the student portal of the University of Warsaw.



3. The student clicks blue button **Start new import**, chooses Norway.

USOSweb	NEWS DIRECTORY MY USOS	SWEB STUDENT'S SECTION	N STAFF SECTION COMMO	N SECTION
INTRODUCTION REGISTRATIONS © calendar © cart © for courses	University of War	Cayne Saw	WARSZAWA Soldmesoe Policinesoe	al Saba Kena Procederia Solor al Kena Procederia al Kena Godernalan Davide Into
<ul> <li>group preferences</li> <li>for exams</li> <li>token registrations</li> </ul>	Import your achie	evements data		
MY STUDIES ) tests ) grades ) my grades ) ENREX ) linkage	step 1 Choice of country/institution	step 2 Export	Confirmation	University of Warsaw
<ul> <li>POL-on</li> <li>decisions</li> <li>promotions</li> </ul>	Choose country and inst	itution		You're using a <b>beta</b> version of the student
<ul> <li>dean's groups</li> <li>applications</li> <li>rankings</li> </ul>	Denmark			mobility data exchange service.
<ul> <li>applications</li> <li>stipends</li> </ul>	Finland			project (EMREX) which is still in the stages of being developed and tested. If you
<ul> <li>student mobility</li> <li>surveys</li> <li>payments</li> </ul>	Italy			report it in your dean's office.
diplomas	Poland			
	Sweden			

4. The student signs in using central authorization service in Norway.



5. The student is admitted to the Central Registry of student results in Norway, can see his achievements.

	sportalen —diploma registry					
<ul> <li>Welcome Robe</li> </ul>	rt					
<b>Ny result</b> you need docume UiT The Arctic Uni	S ntation of results achieved in Norway that do not appear in the diploma re versity of Norway	egistry, please c	ontact ti	ne releva	nt institu	tion.
Results (30 EC	TS)					
✓ Course code	Course	Semester	Cred	lits	Grade	Grade distribution A B C D E 🚱
ENG-1016	Introduction to English Sound Patterns	2016 Autumn	10	ECTS	В	
2 PSY-1005	Social psychology	2016 Autumn	10	ECTS	Æ	
STV-1006	Arctic Norway - Aspects of Politics, Government and International Relations	2016 Autumn	10	ECTS	С	
View selected res	sults					

6. The student confirms, chooses green button Transfer records.

Results (30 EC	TS)					
Course code	Course	Semester	Cred	lits	Grade	Grade distribution A B C D E <b>(</b>
ENG-1016	Introduction to English Sound Patterns	2016 Autumn	10	ECTS	В	
PSY-1005	Social psychology	2016 Autumn	10	ECTS	Е	
STV-1006	Arctic Norway - Aspects of Politics, Government and International Relations	2016 Autumn	10	ECTS	С	
ne document has b gned document wi B: Some browser's I confirm that thes Transfer records	een signed. You can now transfer the results. th selected results (PDF) internal PDF viewers do not show digital signature. In such cases, we re- re results will be transferred to https://usosweb.mimuw.edu.pl/kontroler.pl Back	ecommend using	g Adobe stud/stu	e Acrobat udia/ocer	t Reader. ny/emrex	/importujElmo

7. The student is back home, in Warsaw, with the list of courses ...



8. ... and the signed transcript of records which – according to law – is equivalent to the paper version signed by hand.

<u>لی</u> ہ P	odpisano. Wszystkie podpisy są poprawne.							Dru Panel Podpis
ß	Podpisy X		. 1					
Ø	Sprawdź poprawność wszystkich		<b>W</b> itne	emålsportalen				
Ó.	Versja 1: Podpisane przez CERES		•	diploma registry				
	Podpis jest prawidłowy:		Nama: Bahar				Data of hi	th: 15/04/1005
	Źródło Trust uzyskane z Adobe Approvec		Name, Rober	•			Date of bi	ul. 15/04/1995
	Dokument nie został zmieniony po za							
	Tożsamość podpisującego jest prawid		Robert	has chosen to share the following results:				
	Podpis zawiera osadzony znacznik cza		UIT The Arcti	c University of Norway				
	Podpis nie obsługuje LTV i wygaśnie p		Results (30 ECT	S)				Crede
	> Szczegóły podpisu							distribution
	Ostatnio sprawdzone: 2017.11.11 12:23:22		Course		Semester	Credits	Grade	ABCDE
	Pole: Signature1 na stronie 1		ENG-1016	Introduction to English Sound Patterns	2016 Autumn	10 ECTS	в	
	Kliknii, aby wyświetlić te wersie.		PSY-1005	Social psychology	2016 Autumn	10 ECTS	E	
		•	STV-1006	Arctic Norway - Aspects of Politics, Government and International Relations	2016 Autumn	10 ECTS	С	

# 4.3. Import/export of achievements in PROD environment (Poland Warsaw-Poland Cracow)

1. EMREX can be used to transfer data between two Polish HEIs which have USOS installation.



2. Student Agnieszka from the University of Warsaw spent summer semester 2016 in the Jagiellonian University in Cracow.



3. The student returns home after the last exam, does not have to wait in Cracow for the paper version of the transcript of records. At some moment the student signs in to the student portal of the University of Warsaw.

USOSweb	NEWS DIRECTORY	MY USOSWEB ST	UDENT'S SECTION STAFF	SECTION COMMON S	SECTION
INTRODUCTION REGISTRATIONS D calendar D cart D for courses D direct for groups D group preferences D for exams D token registrations MY STUDIES D tests D grades D grades D my grades D EMREX D linknese	University Organy Import your ac In this module, you	of Warsaw thievements data a can import your achier Start	werest were the external in	scolm esce Polymer	Assa Prycode Cocessos Assa Prycode Assa Assa Assa Assa Assa Assa Assa Ass
POL-on decisions		Showing elements 11 (out	t of 1)		
promotions	Date and time	Institution	Status		You're using a <b>beta</b> version of the student
<ul> <li>dean's groups</li> <li>applications</li> <li>rankings</li> <li>applications</li> <li>stipends</li> <li>student mobility</li> <li>surveys</li> <li>payments</li> <li>diplomas</li> </ul>	2017-10-02 10:19:40	Jagiellonian University in Kraków	Import completed - data has been saved	detals	mobility data exchange service. This service is a part of an international project (EMREX) which is still in the stages of being developed and tested. If you encounter any technical problems please report it in your dean's office.

4. The student clicks blue button Start new import, chooses Poland, then UJ.



5. This is USOSweb in Cracow, the student chooses sign in button.



6. The student signs in using central authorization service of the Jagiellonian University.

, et et e segienorment off	
	Login
	Enter your ID and Password.
	ID: <mark>agnieszka)@student.uj.edu.p</mark> l
	Password:
	login clear
About Central Log	in Help List of services E-mail activation
About Central Login The Central Login one service you g are automatically entered only once To use the Centra Your ID is your Jai	Help List of services E-mail activation     enables users to log into internet services provided by the Jagiellonian University. By logging into     iain access to other online services (you need to enter your password only once). If you log out, you     logged out of all available services. The Central Login increases your security - the password is     a and you always log into the same secure website.     al Login you need to enter your ID and password.     giellonian University e-mail address:
About Central Login one service you g are automatically entered only once To use the Centra Your ID is your Ja-	Help         List of services         E-mail activation           anables users to log into internet services provided by the Jagiellonian University. By logging into jain access to other online services (you need to enter your password only once). If you log out, you logged out of all available services. The Central Login increases your security - the password is e and you always log into the same secure website.           al Login you need to enter your ID and password.         giellonian University e-mail address:           rsummame@uj.edu.pl
About Central Login one service you g are automatically entered only once To use the Centra Your ID is your Jay > yourname.your Please note that be have a different pat	Initial         Help         List of services         E-mail activation           a enables users to log into internet services provided by the Jagiellonian University. By logging into the same secures to other online services (you need to enter your password only once). If you log out, you logged out of all available services. The Central Login increases your security - the password is a and you always log into the same secure website.           al Login you need to enter your ID and password.         giellonian University e-mail address:           rsumame@uj.edu.pl         cases a few Jagiellonian University users have the same first name and surname, some e-mail addresses may term.

7. The student gets access to her achievements in the Jagiellonian University.

	NEWS DIRECTORY MY USOSWEB STUDENT'S SECTION STAFF SECTION COM		ТАСТ	
INTRODUCTION STAFF REGISTRATIONS D calendar D cart D direct for groups D direct for groups D group preferences D declaration D for exams D token registrations MY STUDIES	Send your achievements data Image: Description of the send your personal data, along with some information on your grades, courses and study programs, to an external application. The report which we are going to send to the external application will include the information on your grades and other achievements related to the courses selected below. The report will contain PDF file with your achievements. Choose the language for this documen Oslich Biglish Biglish	This service is a (EMREX) which developed and technical probler	part of an internation h is still in the stage l tested. If you enco ns please report it in office.	onal project s of being uniter any your dean's
<ul> <li>grades</li> <li>my grades</li> </ul>	Course	Hours of classes	Grades 👔	ECTS credits
EMREX     Iinkage     Pole an	(in Polish) Przekład audiowizualny WF.KBP64	30 hours CW	<b>4</b> n/a	3
<ul> <li>POL-on</li> <li>decisions</li> <li>promotions</li> </ul>	Computer techniques for translators: CAT tools WF.KBP17	30 hours CW	<b>5</b> n/a	3
<ul> <li>dean's groups</li> <li>rankings</li> </ul>	Global Understanding WF.KBP67	30 hours CW	<b>5</b> n/a	3
<ul> <li>applications</li> <li>stipends</li> </ul>	Introduction to Simultaneous Interpreting WF-IFG-MS9T-ZL	30 hours CW	CW: 4 n/a	2
<ul> <li>student mobility</li> <li>surveys</li> </ul>	Literary Translation II wF-1FG-MS8T-2L	30 hours CW	CW: 4,5 n/a	2
<ul><li>payments</li><li>diplomas</li></ul>	Practical translation: German/Polish – informative & press texts wF.KBP12	30 hours CW	<b>4,5</b> n/a	3
obligations	Simultaneous translation WF.FEN-5M.02.19	30 hours CW	CW: 3 n/a	4
UJ E-MAIL ACTIVATION	Translation A↔B English (legal texts) wF.xBP53	45 hours CW	<b>4</b> 34 (25) 41	3
	Translation C↔A German (legal texts) wF.xBPs1d	30 hours CW	<b>5</b> n/a	3
	Translation of advertising texts WF-KBP65	30 hours CW	<b>5</b> n/a	3
	Sum of credits: 29.			
	Continue Cancel			

8. The student confirms export.



9. The student is back home, in Warsaw, with the list of courses ...

USOSweb	NEWS	DIRECTORY MY USOSWEB STUDENT'S SECTIO	N STAFF SECTION CON	MMON SECTION		
INTRODUCTION REGISTRATIONS D calendar D cart D for courses D direct for groups D group preferences D for exams D token registrations	Urye Uni Bas Im	iversity of Warsaw	WARSZAWA Soldmine Scie Polyconstep	Solec	Saska Xepa Keaa Gore	Proceeding Growweld Namista
MV CTUDIEC		step 1	step 2		step 3	
D tests						
<ul> <li>grades</li> <li>my grades</li> <li>EMREX</li> </ul>		Choice of country/institution	Export		Confirmation	
<ul> <li>POL-on</li> <li>decisions</li> <li>promotions</li> <li>dean's groups</li> <li>applications</li> <li>applications</li> <li>applications</li> <li>stipends</li> <li>student mobility</li> <li>surveys</li> <li>payments</li> <li>diplomas</li> </ul>	ELMO If you • PE • EN COUI	ELMO file has been imported correctly Imported data come from the institution: Jagielloni To complete the process, click "Apply" and provide file has been verified successfully. J want, you can also preview the files being sent: DF file (optionally digitally signed), AREX-ELMO file (digitally signed). rses not linked with any study program	an University in Kraków the necessary data. You will be	e redirected to the	survey.	
	No.	Course	Academic term	Grades	Class	ECTS credits
	1	Global Understanding (en) Komunikacja międzykulturowa w nowych mediach (pl) WF.KBP67	2016/2017 summer semester (en) Semestr letni 2016/2017 (pl)	5	Class (en) Ćwiczenia (pl) - 30 hours	3
	2	Computer techniques for translators: CAT tools (en) $_{\rm Maradias}$ CAT (pl) $_{\rm WF,KBP17}$	2016/2017 summer semester (en) Semestr letni 2016/2017 (pl)	5	Class (en) Ćwiczenia (pl) - 30 hours	3
	3	Przekład audiowizualny (pl) WF.KBP64	2016/2017 summer semester (en) Semestr letni 2016/2017 (pl)	4	Class (en) Ćwiczenia (pl) - 30 hours	3

10. ... and transcript of records in PDF and XML formats.

		Kraków,	28.11.2017
TRANSCRIPT OF RECOR	DS		
INFORMATION ON THE STUDENT Surname: First name(s): Agnieszka Date of birth (day, month, year): Student identification number or code: INFORMATION ON THE STUDIES Name of the programme: <i>Przekład i komunikacja międzykulturowa, stacjonarne d</i> Date of the beginning of studies: 01.10.2016 Mode of study: <i>full'time</i> ; Level of qualification: second-cycle Field of study: <i>Linguistics</i> Name of the programme: <i>MOST</i> Date of the beginning of studies: 27.02.2017 Mode of study: <i>full-time</i> ; Level of qualification: null	rugiego stopnia		
INFORMATION ON THE RESULTS GAINED	Type/No. of hrs	Grade	ECTS
2016/2017 summer semester	.,,-		
(WF.KBP17) Computer techniques for translators: CAT tools	cw 30	5	3
(WF.KBP67) Global Understanding	cw 30	5	3
(WF-IFG-MS9T-2L) Introduction to Simultaneous Interpreting	cw 30	[4]	2
(WF-IFG-MS8T-2L) Literary Translation II	cw 30	[4,5]	2
(WF.KBP12) Practical translation: German/Polish – informative & press texts	cw 30	4,5	3
(WF.KBP64) Przekład audiowizualny	cw 30	4	3
(WF.FEN-SM.O2.19) Simultaneous translation	cw 30	[3]	4
(WF.KBP53) Translation A ↔ B English (legal texts)	cw 45	4	3
(WF.KBP51d) Translation C ↔ A German (legal texts)	cw 30	5	3
(WF.KBP65) Translation of advertising texts	cw 30	5	3
	ECTS in to	otal:	29
Course code description cw class Grades outside brackets are course grades, grades inside brackets are grades for the class semicolon separates grades on various exam reports, space separates grades on the same exam sessions. ZAL (zaliczenie) = non-graded pass, NZAL (niezaliczenie) = fail, — = no grade in the exami ECTS credits: 1 full academic year = 60 credits.	es, vertical bar separates g exam report, order of grad nation protocol.	rrades for various cl les on a report follov	asses, ws order of

### 4.4. Administration panel

Here is the administration panel for the EMREX module. The module can be switched off or turned into test, development or production mode. Depending on the selection the proper EMREX registry is contacted for the list of countries and institutions.

There is an option to display the content of the message to be sent to the operator of the EMREX Registry who adds the institution to the registry. The message contains acronym, institution, pubKey, URL and countryCode.

Another option can be used to download SMP and NCP logs from the given time range.

EMREX - administrac	ја
Konfiguracja	
parametr	wartość
i Adres ankiety	https://ankieter.mimuw.edu.pl/surveys/79/
i Rejestr	produkcyjny
i Wybór zaliczeń	niedozwolony 🗸
Eksport niezaliczonych przedmiotó	w dozwolony 🗸
i Powiadomienia emailowe dziekanati	u włączone 🗸
nazwa uczelni w j. angielskim	University of Warsaw
akronim	UW
ZAPISZ	
Poprawność konfiguracji         Ustawiony rejestr       ✓       produkcyjr         Certyfikat X.509       ✓       Pilki certyfik         Wpis w rejestrze       ✓       Adres instal         Dane do rejestru       ✓       wyświeti pili	iy iatu istnieją i USOSweb ma do nich dostęp acji i certyfikat w rejestrze są poprawne. k do zgłoszenia
Logi NCP i SMP           Wskaż zakres dat, dla które           początek           koniec           Dołącz "OS-kdy"           Wskaż zakres dat	ego ma być wygenerowany log

When the module is switched off a student can still view previous imports but cannot start a new import.



### 4.5. Handling data in USOS

In this section we demonstrate what happens to the imported student data and how obtained grades and credits take part in recognition of student achievements.

In USOS requirements of a particular study program are expressed as part of the definition of this program or as individual decisions. Achievements from EMREX (or EWP) should be copied into the decision to take part in the recognition process. We plan to implement various scenarios. They will be explained in the following sections.

### 4.5.1. Delivering transcript of records to the student's office

Students import the achievements using USOSweb – the student portal. At the end of the import the student has three options shown below.



If the student chooses **Apply**, the data is stored in USOS but is available only to this student in his account. If the student chooses **Notify the dean's office and confirm**, the window is open for the message to be send by the system to the dean's office.

	Applied Sociology and Social Anthropology, full-time, first cycle programme [S1-SCAS]
Select study programme and stage	First year of Applied Sociology and Social Anthropology [SCAS-1]
	Social Prevention and Resocialisation, day BA studies [S1-PRO]
E-mail address of the dean's office to receive achievements data	jmd@mimuw.edu.pl
Message for the dean's office	Please, recognize my achievements obtained in the University of Warsaw at summer semester 2016/2017. Agnieszka
Canc	el
Import parameters	
A choice of courses: YES	
Only passed courses: NO	

After the student enters the message and clicks **Continue**, the message is sent and the data is made available to the staff of the student's office in USOSadm – the administration part of USOS.

The option **Notify the dean's office and confirm** is available only if the system recognizes that the personal data of the student logged in SMP and in NCP match.

The staff member of the student's office receives the message about the pending request for recognition.

Temat [EMREX] Import zaliczeń
Do Janina Mincer-Daszkiewicz 🏫
Student: Agnieszka Wójcik Wybrany program: S1-SCAS Wybrany etap: SCAS-1 Identyfikator pliku z danymi: QpzrEe8uzVeAP72N9b4u
Wiadomość od studenta: Please, recognize my achievements obtained in the University of Warsaw at summer semester 2016/2017. Agnieszka
 Wiadomość wysłana przez system USOS. Łączna liczba adresatów tej wiadomości: 1

The staff member of the student's office opens USOSadm to see the transcript of records of the student.

<ul> <li>Peopl</li> </ul>	<ul> <li>Person's documents</li> </ul>										Logged in user: JMD (Ro	ole: PELN/
											?	Help
No	Wójcik		Given name	AV	all values 🖌 🔊	PESEL	Main student n	Signature	Date of issue 🛛 😽	Description	Actions	
	. Wójcik		Agnieszka		KPS	79112996806	1234278762	5tgeADHWqNPPmb	24.12.2017	DEMO University (http://demo.usos.edu.pl)	Download     Persons' documents by     programs	1
						First ««	« <b>1</b> 2 »	sa Last			1	~
				п	0 <b>† 1</b>	1 z2	- + sk	ala automatyczna 🗘	A 1			
										^		
					1 × 1							
			10.410.00		10.8							
					T BAR	The UNIWERS	YTEL					
					42.	K WARSZA	WSKI					
					· · · · · · · · · · · · · · · · · · ·	k		Channe of the second				
								Stamp of the organi	zational unit			
									XYZ, 24.12	2.2017		
						1	RANSCRIPT OF RE	CORDS				
			P									
					INFORMATION ON T	THE STUDENT						
					Surname: Wojcik	antin Tala						
			Library Store		Date of birth (day m	ionth year): 29 11 1979						
			G-BREAT FILE		Student identification	n number or code: 1234278	762			6.000 million		
			the surger of the store		INFORMATION ON 1	THE STUDIES	annan <mark>ann</mark> ar annan	e ae 10 - 10				
					Name of the program	mme: Applied Sociology and	Social Anthropology, full-ti	me, first cycle programme				
					Level of qualification	tirst cycle programme	ropology					
			and the second second		Form of study: full-ti	me						
					Name of the program	mme: Social Prevention and	Resocialisation, day BA st	udies				
					Field of study: Social	I Prevention and Rehabilitat	ion			The second second		
					Level of qualification	: first cycle programme						
					Form of study, rulea	me						
					INFORMATION ON 1	THE RESULTS GAINED						
					Courses by didad	tic cycles	Language of Typ	e/No. of hrs Grade	Distribution %	ECTS		
							instruction					
					Summer semeste	r 2016/17						
					(4023-O-BODY2) Bod	y Shape	PL wf 30	) [ZWOL-	-LEK] 0 (69) 31			
					(3402-11PRLU) Demo	graphic processes	PL wyk:	30 [3,5]	28 (9) 63	4		
					(3402-11POKL) Inform	ation and Communication tech	nologies PL ov 3	0 (5)	82 (18) 0	2		
					(3402-WLAINT) Intelle	ctual Property Rights - Basic Ci	ourse PL wyk	4 NK	0 (100) 0	and a state of the		
			leten litter in		(3402-11LPNL) Logica	I foundations of social sciences	PL wyk	15 / cw 15 [3,5/5]		3		
			A LOUIS CONTRACTOR		(3402-10PDIR) Pomor	o dziecku i rodzinie	PL ow 3	0 [3]	n/a	2		
					(3402-11STAT) Statist	vics	PL wyk:	30 / cw 30 [2/4,5]				
					(3402-11SYSS) Syste	ms, structures and social proce	sses in different PL wyk :	30 / cw 60 [/4]				
			D		sociological perspectiv	es	Pl unde		26 (11) 62			
					(8102-EM11-0G) The	measure effects of a news chans	rev PL wyk:	SCTC in totals	20 (11) 03	12		
		-						ECTS in total:		13		

The staff member of the student's office can now start proceeding according to local regulation. All the imported data are already stored in USOS – not only PDF but also all courses, grades, credits etc., which were transferred in XML.

### 4.5.2. Decision created in student's office

In the current version of the system (USOS 6.3.0) student cannot create the decision himself, he has to ask the student's office to do that for him. The scenario is the following:

- 1. The student writes e-mail to the student office asking for the decision template.
- 2. When the decision shows up in USOSweb, the student can choose it from the list.



3. On the next page with the single decision, the student can choose the option *define new external course using EMREX module*.

Stu	dent:	Jan23363	35 Kowalski233635				
Stu	dy program:	S1-INF - Bachelor's degree, first cycle programme, Computer Science					
Peri	iod of study:	13 - Computer Science, 3rd grade					
Ter	m:	<b>2016</b> - A	cademic year 2016/17				
Gen	eral inform	nation					
	Decision nu	mber:	181578				
	Decision da	te:	2017-03-31				
i	Decision typ	be:	MODIFICATION				
	Decision sta	ate:	W - to be completed modification deadline: 2018-03-31				
	Next period	of study:	(no change)				
	Commont						
Exte	ernal cours	ses					
Exte	ernal cours	5ES ditional ext	ernal courses defined				
Exte	No add	ses ditional ext external external	ernal courses defined I course using EMREX module I course				
External $a$	No add	ses ditional ext external external purse ou	ernal courses defined I course using EMREX module I course Itcomes and requirements.				
External difference of the second se	No add	ses ditional ext external external ourse ou anges in co	ernal courses defined I course using EMREX module I course atcomes and requirements.				
External definition of the second se	No add lefine new define new nges in co	ses ditional ext external external ourse ou anges in co redits as	ernal courses defined I course using EMREX module I course atcomes and requirements. urse outcomes and requirements.				

4. The student can either start a new import at this moment or choose data obtained during one of the previous imports.

1	In reference t	0	
	Student:	Jan233635 Kowalski233635	
	Study program:	S1-INF - Bachelor's degree, first cycle programme, Computer Science	
	Period of study:	I3 - Computer Science, 3rd grade	
	Term:	2016 - Academic year 2016/17	
_	General inforr	nation	
Choo	ose import		
St	art new import		
List	of imports		
		Showing elements 110   next page   show all	
[	Date and time	Institution	
2017	7-04-08 13:49:31	DEMO University	wybierz
2017	7-04-07 15:03:10	UMEÅ UNIVERSITET, ITS	wybierz
2017	7-04-06 11:19:51	University of Warsaw	wybierz
2017	7-04-01 16:26:41	UMEÅ UNIVERSITET, ITS	wybierz
2017	7-03-29 11:08:38	HELSINGIN YLIOPISTO	wybierz
2017	7-03-29 11:05:15	DEMO University	wybierz
2017	7-03-29 11:00:01	Testapplication including WM-data's "Golden Master" for system testing	wybierz
2017	7-03-28 16:06:32	DEMO University	wybierz
2017	7-03-24 10:29:42	UMEÅ UNIVERSITET, ITS	wybierz
2017	7-03-24 10:28:47	Tampereen Yliopisto	wybierz
			next page
	Changes of c	edits assigned to outcomes and requirements	
		cuts assigned to outcomes and requirements	
	No chi	anges of credits assigned to outcomes and requirements	

5. The student browses the list of imported achievements. If the grade scale matches one of those available in USOS, no grade conversion is needed.

Import przedmiotów ob	cych
Uniwersytet Warszawski	
przedmiot obcy	
kod	1000-211bGAL
nazwa przedmiotu	Geometria z algebrą liniową
nazwa przedmiotu w języku angielskim	Geometry with Linear Algebra
strona internetowa przedmiotu	https://usosweb.vagrant.xy/kontroler.php?_action=katalog2/przedmioty/pokazPrzedmiot& prz_kod=1000-211bGAL
cykl dydaktyczny	2012Z
język prowadzenia	POL
punkty ECTS	5
ocena	4
zajęcia	WYK, liczba godzin: 30.00, CW, liczba godzin: 30.00,
przedmiot obcy	
kod	1000-OOPOWI
nazwa przedmiotu	Podstawy ochrony własności intelektualnej
nazwa przedmiotu w języku angielskim	Intellectual property rights - basic course
strona internetowa przedmiotu	https://usosweb.vagrant.xy/kontroler.php?_action=katalog2/przedmioty/pokazPrzedmiot& prz_kod=1000-OOPOWI
cykl dydaktyczny	2012Z
język prowadzenia	POL
punkty ECTS	0.5
ocena	ZAL
zajęcia	WYK, liczba godzin: 4.00,

6. If the grade scale does not match one of those available in USOS, the student gets the possibility to enter local grade by hand.

przedmiot obcy	
kod	AI1510
nazwa przedmiotu	Introduction to Swedish Law, Basic Course
nazwa przedmiotu w języku angielskim	Introduction to Swedish Law, Basic Course
strona internetowa przedmiotu	
cykl dydaktyczny	2009Z
język prowadzenia	
punkty ECTS	7.5
ocena	E (oryginalna wartość: E)
zajęcia	EGZ, ocena: E CW, ocena: P

7. When the student approves the import of achievements into the decision, he is redirected back to the page with the decision and can view the results. The decision will become available in the student's office where it can get approved or rejected. If approved it will be involved in automatic recognition of student achievements. The student's office also has the opportunity to view PDF and – in case it is needed – change grades or ECTS credits.

tud	lent:	Jan23363	5 Kowalski233635									
tud	ty program:	S1-INF -	Bachelor's degree	, first cy	cle program	nme, Compu	uter Science					
eri	od of study:	13 - Com	puter Science, 3rd	l grade								
err	m:	<b>2016 -</b> A	.cademic year 201	6/17								
ene	eral inform	mation										
CIT	Desision	macion	101570									
	Decision nu	mber:	1815/8									
	Decision da	ue:										
	Decision typ		W - to be compl	otod								
	Decision sta	ate:	modification deadline	2018-	03-31							
	Next period	of study:	(no change)									
	Comments			of NoCo			OVEENEMduvU	24				
xte	ernal cours	Ses	Oceny z DEMO	.5151500	cmabi, blo	B. FRUZVIIK	Qxbrwomuuxn					
xte > Do > SI	ernal cours elete all exter how original	S <b>CS</b> mal course data	Oceny z DEMO	Term	Passed	ECTS		i	Grade	Coordinator	Status	Opi
xte ≯ Di ≯ SI No. Curr	ernal cours elete all exter how original Name rent not app	SES mal course data <b>roved</b> cou	Oceny z DEMO	Term	Passed	E. FRUZVIK	Language	i	Grade	Coordinator	Status	Opt
xte → D( → si No. Curr 1.	ernal cours elete all exter how original of Name rent not app [Algorithm 1000-213bASI	SES mal course data roved cou i struktury s and Data	Coeny z DEMO s rse list danych Structures]	<b>Term</b> 2014Z	Passed	ECTS	Language	i none / none	Grade	Coordinator (unknown)	Status E - not yet approved	Opt
xte → D( → SI No. Curr 1.	ernal cours elete all externation Name rent not app Algorytmy [Algorytmy [Algorithm 1000-213bAst CW (30 hours	SES mal course data roved cou i struktury s and Data >	S S S S VVYX (30 hours), VVX (30 hours), VV	Term 2014Z Education	Passed NO al institution:	E. FRUZVIK ECTS 7.00	Language Polish Varszawski Comme	none / none ent: Ocena	Grade 3 z pliku XML	Coordinator (unknown)	Status E - not yet approved	Opt
xte > DA > SI No. Curr 1. 2.	elete all external course rrnal course elete all externation of the second large second and the second and the second Algorytmy (Algorithm 100-213bASI CW (30 hours) CW (30 hours) Taniec tow 4023-0-TANT	SES mal course data roved cou i struktury s and Data o a), LAB (30 ha yarzyski [Ba	s s s variables s variables s variables s variables s variables va	Term 2014Z Education 2013Z	Passed NO al institution:	ECTS 7.00 Universystet V	Language Polish Varszawski Comme Polish	none / none ent: Ocena none / none	Grade 3 z pliku XML none	Coordinator (unknown) (unknown)	Status E - not yet approved E - not yet approved	Opt
xte DO SI NO. Curr 1. 2.	elete all exter how original - Name Algorytmy [Algorytmy [Algorytmy (algo-213bASI CW (30 hour) WF (30 hour) WF (30 hour)	SES mal course data roved cou i struktury s and Data > ;, LAB (30 ho varzyski [Ba varzyski [Ba	S S S VVVX (30 hours), VVVX (30 hours), VVVX (30 hours), SIroom dancing] Educational instituti	Term 2014Z Education 2013Z on: Univer	Passed NO al institution: NO sytet Warszaw	ECTS 7.00 Universytet V 0.50 ski Commenta	Language Polish Varszavski Comme Polish Ocena z pliku XMI	none / none ent: Ocena none / none	Grade 3 z pliku XML none	Coordinator (unknown) (unknown)	Status E - not yet approved E - not yet approved	Opt
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### 4.5.3. Decision created in USOSweb

In the next version of the system (USOS 6.4) student will be able to create the new decision in USOSweb.

### 4.5.4. Data from EMREX copied into Learning Agreement

In the next version of the system (USOS 6.4) student will be able to copy data from EMREX to the existing decision of type LA (*Learning Agreement*).