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i-MESC STUDENT HANDBOOK 2024



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RESPONSIBLE PROFESSORS IN I-MESC UNIVERSITIES



**Université de Picardie
Jules Verne**

Prof. Alejandro A.
Franco

i-MESC Coordinator



**Université Toulouse
III - Paul Sabatier**

Prof. Patrick Rozier

***Head of i-MESC
Curriculum***



**Warsaw University of
Technology**

Prof. Wladyslaw
Wieczorek



**University of
Ljubljana**

Prof. Boštjan Genorio



**University of the
Basque Country**

Prof. Iñaki Gandarias
Goikoetxea



Drexel University

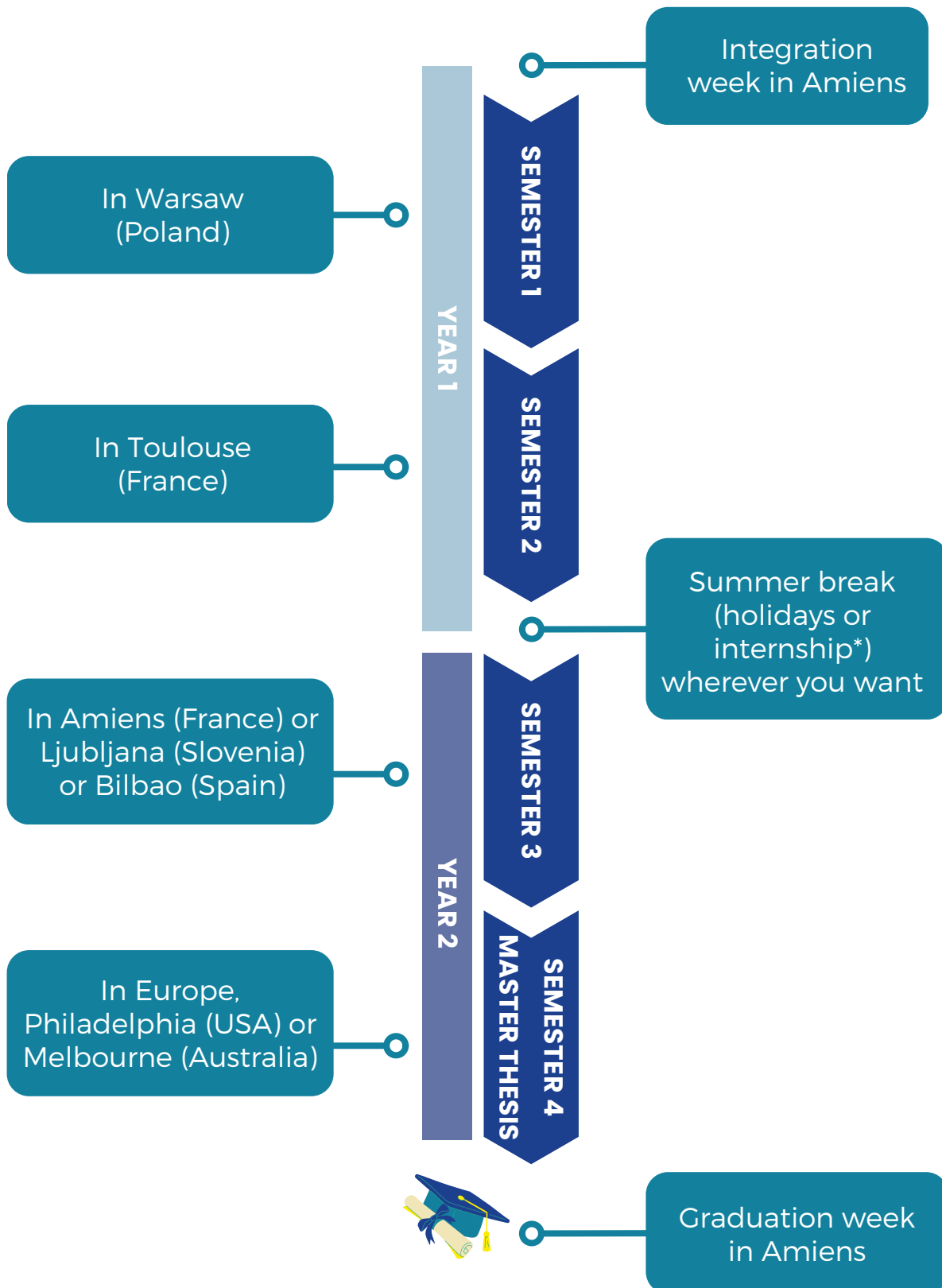
Prof. Yury Gogotsi



Deakin University

Prof. Maria Forsyth

CURRICULUM



CURRICULUM

SEMESTER 1 IN POLAND : 270H, 30 ECTS

Mandatory courses taught in Warsaw : 30 ECTS

- TU1** Electrochemistry, 4 ECTS
- TU2** Solid State Chemistry, 6 ECTS
- TU3** Physics for Materials Engineering, 4 ECTS
- TU4** Ionics in Electrochemistry, 4 ECTS
- TU5** Calculations in Chemistry and Chemical Engineering, 4 ECTS
- TU6** English and scientific publication writing, 2 ECTS
- TU7** Laboratory Practice, 6 ECTS

SEMESTER 2 IN FRANCE : 270H, 30 ECTS

Mandatory courses taught in Toulouse : 30 ECTS

- TU8** Advanced Electrochemistry, 6 ECTS
- TU9** Advanced Solid State Chemistry, 6 ECTS
- TU10** Advanced Physical Chemistry of Solids, 4 ECTS
- TU11** English and Scientific Conference Presentation, 4 ECTS
- TU12** Application of Surface Treatments to Energy Materials, 4 ECTS
- TU13** Energy Storage and Conversion Devices I, 6 ECTS

SEMESTER 3 IN FRANCE, SLOVENIA OR SPAIN : 270H, 30 ECTS

Mandatory courses taught in Amiens, Ljubljana and Bilbao : 18 ECTS

- TU14** Structural Characterization of Energy Materials, 4 ECTS
- TU15** Morphological and Thermal Analysis of Energy Materials, 3 ECTS
- TU16** Modern Techniques for the Synthesis of Energy Materials, 3 ECTS
- TU17** Energy Storage and Conversion Devices II, 4 ECTS
- TU18** Tools for Bibliography search, Fund Hunting, Intellectual Property – Soft Skills and Professional Development, 4 ECTS

CURRICULUM

SEMESTER 3 IN FRANCE, SLOVENIA OR SPAIN : 30 ECTS

Specific courses taught either in Ljubljana, Bilbao and Amiens : 12 ETCS

Option 1 : University of Ljubljana

- TU19** Hydrogen Technologies and their Engineering, 6 ECTS
TU20 Analytical (Electro-)Chemistry and Electrocatalysis, 6 ECTS

Option 2 : University of the Basque Country in Bilbao

- TU21** Thermal Energy Storage and Renewable Fuel Production, 6 ECTS
TU22 Large Scale Facilities for In Operando Studies for Energy Materials, 6 ECTS

Option 3 : University of Picardie Jules Verne in Amiens

- TU23** Battery technologies and their Engineering, 6 ECTS
TU24 Numerical Simulation, Artificial Intelligence and Digital Twins, 6 ECTS

SEMESTER 4

Six months research training :

- within laboratories of the European Research ALISTORE-ERI, CIC energiGUNE or National Institute of Chemistry
- in a university such as Drexel or Deakin universities
- in research centers and industry members of the French RS2E network.

- TU25** Master thesis within a reasearch or company laboratory, 30 ECTS

SCHOLARSHIPS AND FEES

SCHOLARSHIPS

During your course, you may be granted a scholarship. This scholarship can be offered by different organizations.

► Erasmus Mundus Joint Master Scholarships

The i-MESC programme is co-funded from 2023 to 2029 by the European Union through the *Erasmus Mundus Joint Masters Action of the Erasmus+ programme*. Thanks to this EU support, i-MESC will have the opportunity to offer up to **80 EMJM scholarships** over 4 intakes:



The EMJM scholarship is calculated on the basis of a monthly unit cost of **1 400 EUR**, for a total duration of 24 months. So the maximum amount per student is $1\,400 \text{ EUR} \times 24 \text{ months} = \mathbf{33\,600 \text{ EUR}}$. The scholarship is awarded for full-time enrolment, and will cover the entire duration of the Master programme (i.e. 24 months).

This EMJM scholarship is a contribution to the costs incurred by the beneficiary students and covers:



► Industrial Scholarships

The i-MESC programme also benefits from the significant funding from some partner institutions of the Consortium and from the industrial sector. Thanks to this financial support, i-MESC will have the opportunity to offer at least **40 industrial scholarships** over 4 intakes :



The fixed amount of the industrial scholarship per student is **20 000 EUR**.

This industrial scholarship is a contribution to the costs incurred by the beneficiary students and covers:



SCHOLARSHIPS AND FEES

► Erasmus+ Mobility grant

The EMJM scholarship holders **are not eligible** to this grant.

All the European universities of the i-MESC Consortium have signed between each others Erasmus+ Inter-Institutional Agreements.

The students enrolled within i-MESC without EMJM scholarship may be eligible to this mobility grant offered by the Erasmus+ Programme, for a given semester, if they fulfill the requirements from the granting (i.e. sending) institution.

► Specific support measures

The non-EMJM scholarship holders will be granted a **contribution to mobility and visa costs**, calculated on the basis of a **flat rate of 2 300 EUR** for the total duration of 24 months.

FEES

During your course, you will have to pay registration fees. They cover:

- Tuition fees in each partner University
- Worldwide comprehensive health and insurance insurance
- Accommodation and part of the activities during the integration week
- Local language course in each partner University
- Part of the activities during the graduation week.

For EMJM scholarship holders	For non-EMJM scholarship holder
Full fee waiver	The amount of the registration fees fixed by the Consortium is the same for EU students and non-EU students. 4 000 EUR per year (i.e. 8 000 EUR for the whole duration of the Master programme)

IMPORTANT

- If you are allocated an industrial scholarship, these fees will be covered with a part of your grant.
- If you are self-funded student or allocated another scholarship not provided by the i-MESC consortium, these fees will have to be paid at the beginning of each academic year (i.e. before November)

FORMALITIES

VISAS

► Visa for Poland (Semester I)

European students are exempted from having a resident permit in order to study in Poland. They do not need to apply for a visa, their **ID card or passport are sufficient**.

Non-European students have to apply for a **National D-Type visa**. To apply, you must register online to this website: www.secure.e-konsulat.gov.pl

You can find more information here : <https://www.gov.pl/web/france/un-visa-national-type-d>

The documents you will have to provide are:

- the application form
- a travel document (valid Passport)
- 1 ID picture
- the amount of application fees
- a proof of medical insurance (that will be provided and paid by i-MESC consortium)
- additional documents :
 - purpose of the travel
 - sufficient financial means for the whole stay in Poland
 - the obligation to stay in Poland more than 90 days.

All the supporting documents required for the Polish visa application will be provided by the i-MESC coordinating team in Amiens and Warsaw University of Technology team.

You must submit your visa application to the Polish Embassy or Consulate responsible of handling visa applications in your home country or the nearest country.

Please note that depending on the country where your application is submitted, the supporting documents asked for might differ, so please enquire before making your visa appointment.

► Visa for France (Semester II)

European students are exempted from having a resident permit in order to study in France. They do not need to apply for a visa, their **ID card or passport are sufficient**.

Non-European students have to apply for a one-year student visa called **VLS TS : Visa Long Séjour - Titre de Séjour**. This visa is equivalent to a resident permit.

FORMALITIES

The application for the French visa must be made online on the following website: <https://france-visas.gouv.fr/en/web/france-visas/studies-training>

You will be required to provide along with your application the documents listed below :

- a valid passport
- a proof of accommodation (this document will be sent to you by Toulouse III Paul Sabatier University Team)
- a proof of financial means (this document will be provided by i-MESC coordinating team in Amiens)
- a full face photography
- a proof of medical insurance (this document will already have been provided to you by the i-MESC coordinating team)

► Visa for France, Slovenia or Spain (Semester III)

> For France

For Non-European students, all students will have to **renew their French visa** which will be turned into a French **one year residence permit**. The renewal has to be made **2 to 4 months prior** to the end of validity of the visa not earlier.

The procedure will be made online via <https://administration-etrangers-en-france.interieur.gouv.fr/particuliers/#/>

You will have to select **Préfecture de la Somme** to be able to pick up your residence permit in Amiens. All students will have to come to Amiens to pick their residence permits **in person** in Amiens. Students will have to cover the costs of the trip to Amiens and residence permit application fee.

> For Slovenia

Your visa application has to be submitted **in person** to the Slovenian embassy at the following address :

AMBASSADE DE LA RÉPUBLIQUE DE SLOVÉNIE À PARIS

28, rue Bois-le-Vent
75016 Paris, France

+33144965067
consular.paris@gov.si

You will be required to provide along with your application the documents listed below:

- a long-term stay visa application form
- a passport size photo

FORMALITIES

- a valid Passport
- a letter of acceptance (this document will be provided by Ljubljana University Team)
- a proof of English proficiency (this document will be provided by i-MESC Coordinating Team)
- a proof of sufficient financial means (this document will be provided by i-MESC Coordinating Team)
- an health insurance certificate (this document will have already been provided to you by i-MESC Coordinating team)

IMPORTANT: When you settle to Slovenia, you will have to report your arrival on Slovene territory at the nearest police station.

> For Spain

You do not have to apply for a Spanish visa, your stay will be dependent on your French residence permit (*cf. procedure above*) and your mobility declared to the Spanish authorities by Bilbao Team.

▶ Visa for the master thesis internship (Semester IV)

As each student will have a different location for the fourth semester, you will receive all your supporting documents by the i-MESC Coordinating team once your location for the fourth semester is approved by the i-MESC Consortium.

Each visa procedure being different according to the national rules of the country, you will be assisted in your visa application by your hosting institution and i-MESC coordinating team.

INSURANCE

All the i-MESC students will have the **same insurance** covering health, accident, travel etc, during the two years of the programme.

This insurance policy is contracted by the i-MESC Consortium, which means that it is **free of charge** for you. You will receive your insurance card by email before your departure around July. The policy also provides some assistance in the case of a lost passport or identification.

BANK ACCOUNT

During your stay in Europe you will need a bank account, especially for the payment of your scholarship.

For European students that already have a Euro bank account, please send your banking details to the i-MESC coordinating team on a headed paper from your bank.

FORMALITIES

For non-European students, you will have to open a Euro bank account. It is very important to open a bank account allowing you to receive SEPA payments (in Euros) without any fees.

Please find below the links for some online banks easy to use and free of charge:

- Revolut Bank : <https://www.revolut.com>
- Wise Bank : <https://wise.com>

These informations are indicative you are free to open a bank account in the bank of your choice.

ACCOMMODATION

You have two options: stay in a room in the University residency with other students or find a private accommodation.

► University dormitory

Prior to your arrival in each concerned city, the i-MESC Consortium will book for you a room in a University dormitory **except for semester III** for Ljubljana and Bilbao but you will be provided with information to help you in your accommodation search.

For semester IV, you will also have to manage your accommodation search as each student goes to a different location. You might be assisted in this search by the institution hosting your for your internship.

N.B.: the payment of the rent and associated fees remains at your charge.

► Personnal accommodation in France

If you prefer to rent a private accommodation or share a flat with friends, here are some information to help you to find it :

- www.leboncoin.fr/
- www.crous-amiens.fr
- www.crous-toulouse.fr
- www.bienici.com/
- www.seloger.com
- <https://www.paruvendu.fr/immobilier/>
- <https://www.studapart.com/fr/logement-france>

If you want to share a flat with flatmates you can find some ads on :

- www.appartager.com
- www.lacartedescolocs.fr/
- www.studapart.com/fr/colocation-france
- www.colocater.com/fr/colocations

You can also find a room in a private student residence :

- <https://en.nemea-residence-etudiante.com>

FORMALITIES

- <https://www.location-etudiant.fr/residence-Odalys-Campus-Amiens-Hortillonnages-Amiens-1310104.html>
- <https://www.twenty-campus.com/en/>
- <https://www.estudines.com/logement-etudiant-toulouse>
- <https://www.kley.fr/residence-etudiante/toulouse/kley-toulouse-campus>
- <https://www.residencesartemisla.com/ville/toulouse>

► Accommodation in Bilbao

Here are some links to find an accommodation in Bilbao and its outskirts :

- Blas de Otero Residence Hall (C / Cortes, 38, Bilbao). Studios with kitchens:
<https://www.resa.es/es/residencias/bilbao/residencia-universitaria-blas-de-otero/residencia/>
- Residence Mi Campus Bilbao (Avenida Gabriel Aresti number 40)
- In the Txurdinaga neighborhood, with a metro stop at the door and about 12 min by metro from the center : <https://micampusresidencias.com/bilbao/>
- <https://www.ehu.eus/en/web/nazioarteko-harremanak/en-accommodation>
- www.uniplaces.com/
- www.swiftflats.com/en/

► Accommodation in Ljubljana

Here is a website that may be helpful when you will be looking for an apartment :

- www.uni-lj.si/en/study/international-students/accommodation-transport-and-cost-of-living

► Accommodation in Philadelphia

Here are three websites that may be helpful when you will be looking for an apartment :

- <https://www.student.com/us/philadelphia>
- <https://www.apartments.com/philadelphia-pa/student-housing/>
- <https://drexel.edu/studentlife/campus-living/housing/options>

► Accommodation in Melbourne

Here are two websites that may be helpful when you will be looking for an apartment :

- <https://www.unilodge.com.au/student-accommodation-melbourne>
- <https://www.student.com/au/melbourne>
- <https://www.deakin.edu.au/accommodation>

ENROLMENT IN EACH PARTNER UNIVERSITY

Below are listed the documents which will be mandatory for your enrolment in the i-MESC European universities. Please read the list carefully.

WARSAW UNIVERSITY OF TECHNOLOGY, WARSAW (POLAND)

- Personal questionnaire
- Copy of your passport or ID card
- Copy of your visa for non-European students
- Copy of your Bs diploma in English or French, if any other language, please copy the original version as well
- Original of the diploma to be presented to us for formal comparison (if for some reasons your diploma is missing, we will need a copy of transcripts)
- 2 ID pictures, signed

UNIVERSITÉ TOULOUSE III – PAUL SABATIER, TOULOUSE (FRANCE)

- A copy of your last degree obtained and your high school diploma
- A copy of your passport or ID card, with your visa for non-European students
- 1 ID coloured picture
- A copy of your health insurance card
- CVEC tax certificate

The enrolment at Toulouse University will be in several steps :

- STEP 1 : Pre-registration on the e-Candidat platform (beginning of July)
- STEP 2 : Paying the CVEC Tax

The CVEC Tax is a tax to be paid by each student studying in an French university every year. As the payment must be done online individually you will be reimbursed along with your first month scholarship in September.

Your CVEC certificate will also be needed for your registration at University of Picardie Jules Verne in Amiens.

You will be assisted and guided in this process by Toulouse University Team.

ENROLMENT IN EACH PARTNER UNIVERSITY

UNIVERSITÉ DE PICARDIE JULES VERNE, AMIENS (FRANCE)

- Your original official last degree obtained and your high school diploma
- A copy of your passport or ID card, with your visa for non-European students
- 2 ID coloured pictures
- A copy of your health insurance card
- CVEC tax certificate
- For French students, « une photocopie du certificat de la journée d'appel de préparation à la défense »
- For French students: if you are concerned « original de l'avis d'attribution conditionnelle de bourse délivré par le CROUS »

The enrollment forms for University of Picardie Jules Verne will be filled in and sign during the integration week in September in Amiens.

UNIVERSITY OF THE BASQUE COUNTRY, BILBAO (SPAIN)

- Copy of your Passport or ID card
- Copy of your Bsc Diploma in English
- Transcripts of records
- i-MESC student agreement

All the documents collected from you by i-MESC coordinating team will be transferred to Bilbao Team and the registration internally processed so students don't have to register by themselves.

UNIVERSITY OF LJUBLJANA, LJUBLJANA (SLOVENIA)

- Copy of your Passport or ID card
- Copy of your Bsc Diploma in English
- Transcripts of records

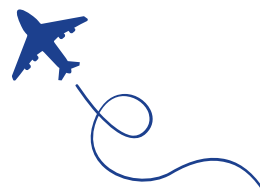
All the documents collected from you by i-MESC coordinating team will be transferred to Bilbao Team and the registration internally processed so students don't have to register by themselves.

ARRIVAL TO WARSAW

Before starting your semester 1, you will be invited to come to Warsaw beforehand in order to settle in collectedly.

ARRIVAL BY PLANE

If you choose to travel by plane:



► Warsaw Chopin Airport / Lotnisko Chopina Warszawa

Warsaw Chopin Airport is Poland international airport and it's probably where you will land if you are coming from abroad. A lot of passengers comes from Europe but there are also numerous international destinations, so it is possible that you land in Warsaw after one or many connections in another European airports such as Roissy Charles-de-Gaulle Airport in France, Amsterdam Airport Schiphol in the Netherlands, Berlin-Brandebourg Airport in Germany, or even in the Middle East (Doha, Antalya, Dubai...).

To join the city center, you can take the train at the **Warszawa Lotnisko Chopina** station directly inside the Warsaw Chopin Airport to the **Warszawa Centralna** station, the main train station of Warsaw, with the S2, S3 or RL line. From there, you will be able to join a transport hub. Next to the train station, you will find bus and tram lines but you can also take another train to join another little train station inside Warsaw. If you walk a little when leaving the station, you can also join the 2 subway lines to join your room at the University.

► Warsaw Modlin Airport / Port Lotniczy Warszawa-Modlin

Another option if you want to land in Warsaw is the **Warsaw Modlin Airport**. This Airport located at 35km from Warsaw and is the base of low cost companies such as Ryanair, Enter air or Air Moldova. The airport doesn't offer a lot a flights but you can find some cheap options to come to Warsaw.

From there, you have several options to join Warsaw:

- You can take a bus (line ZL at the **Lotnisko Modlin** bus station) to join the **Modlin** train station and then take the RL line to the **Warszawa Wschodnia** in Warsaw. From there, you can take a bus, a tram or a little further away, a metro to join your room.
- You can take a Flixbus from the **Nowy Dwór Mazowiecki, MPL Warszawa – Modlin** bus station to join the **Młociny** station, the **Warszawa, Dworzec Autobusowy Warszawa Zachodnia** bus station or the **Warszawa, Metro Stadion Narodowy 02** station and then take a bus or a train to join your destination.

All the useful information concerning booking and fees here : <https://www.wtp.waw.pl/en/>

ARRIVAL TO WARSAW

ARRIVAL BY BUS

An underrated option is to take a Flixbus to reach Warsaw. You can take it whether you come from Europe. You will certainly arrive at the **Młociny** bus station or at the bus stations of the 2 airports. You will be able to reach Warsaw with another bus, a train, a tram or a subway train.

All the useful information concerning booking and fees here :

<https://www.flixbus.co.uk/coach/poland>

ARRIVAL BY TRAIN

If you choose to reach Warsaw by train if you come from a European city, you will certainly arrive in the **Warszawa Centralna** station, the biggest and main train station of the city. To reach your room, you can take a bus, a tram, another train or a subway train. Warsaw have a really huge public transportation service. For example, a trip from **Berlin Hauptbahnhof** to **Warszawa Centralna** will cost you ~265 PLN for a 2nd-class ticket.

When booking your train ticket, do not forget to select “ **Youth/Junior** ” in the discount/reservation ticket type in order to beneficiate of a discount on your train ticket and to put your age at the time of the trip. Sometimes, several state institutions can provide with some discount!

If you can, please print the ticket before your departure. Maybe you will not be able to do it so, you would better do it beforehand.

All the useful information concerning booking and fees here : <https://www.intercity.pl/en/>

GOOD TO KNOW

LIVING COSTS

Approximate prices in each city of the partners :

► Warsaw

University dormitory	Private lodging (room-flat 25m ²)	Food for a month	Bus/metro ticket	Cinema ticket	Meal (university restaurant)	Meal (fast food)
≈ 2500 PLN	3497 PLN - 5695 PLN	860 PLN	4 PLN	30 PLN	21 PLN	33 PLN

► Toulouse

University dormitory	Private lodging (room-flat 25m ²)	Food for a month	Bus/metro ticket	Cinema ticket	Meal (university restaurant)	Meal (fast food)
≈ 300 €	600 € - 830 €	200 €	1.30 €	8 €	3.30 €	8 €

► Amiens

University dormitory	Private lodging (room-flat 25m ²)	Food for a month	Bus/metro ticket	Cinema ticket	Meal (university restaurant)	Meal (fast food)
≈ 270 €	470 € - 600 €	200 €	1.60 €	11.70 €	3.30 €	10 €

GOOD TO KNOW

► Bilbao

University dormitory	Private lodging (room-flat 25m ²)	Food for a month	Bus/metro ticket	Cinema ticket	Meal (university restaurant)	Meal (fast food)
≈ 430 €	800 € - 1100 €	145 €	1.60 €	8 €		9 €

► Ljubljana

University dormitory	Private lodging (room-flat 25m ²)	Food for a month	Bus/metro ticket	Cinema ticket	Meal (university restaurant)	Meal (fast food)
≈ 450 €	610 € - 1100 €	200 €	1.30 €	8 €	3.50 €	8 €

EXCHANGE RATE

Average exchange rate for 1€ into the different others currencies (this rate varies every day):

Polish Zloty	Australian Dollar	US Dollar
≈ 4.33 PLN	≈ 1.62 AUD	≈ 1.08 USD

LANGUAGE COURSES

In the framework of your Erasmus Mundus Master Course, you will benefit of **free language lessons**. In each country where you will study, you can take language courses in the mother tongue of the host country.

In Amiens, two hours per week of French are given in classes. You will also improve your English through the English courses included in your Master.

CONTACTS

Université de Picardie Jules Verne

Julie Bodelu

Administrative officer

LRCS - Hub de l'énergie - Bureau 106
15 rue Beaudelocque
80000 Amiens, FRANCE

Phone : +33 3 22 82 53 32

julie.bodelu@u-picardie.fr

Université Toulouse III - Paul Sabatier

Karine Giacomi

Administrative officer

Direction Mobilités Formations Internationales
Forum Louis Lareng, 1er étage
31400 Toulouse, FRANCE

Phone : +33 3 22 82 53 32

karine.giacomi@univ-tlse3.fr

University of Ljubljana

Stojka Oman Vučkowska

Head of International Affairs

Večna pot 113
1000 Ljubljana, SLOVENIA

Phone : +38 6 14 79 84 20

stojka.oman@fkkt.uni-lj.si

Warsaw University of Technology

Anna Krztón Maziopa

Faculty of Chemistry
Technology
ul. Noakowskiego 3
00-664 Warsaw, POLAND

Phone : +48 22 234 5130

anna.maziopa@pw.edu.pl

Regina Borkowska

Faculty of Chemistry
Technology
ul. Noakowskiego 3
00-664 Warsaw, POLAND

regina.borkowska@pw.edu.pl

University of the Basque Country

Virginia Rodriguez

Administrative officer

Bilbao School of Engineering
Biscay Campus
Calle Ingeniero Torres Quevedo s/n, Edificio I-P1C27
48013 Bilbao, SPAIN

Phone : +34 946 01 4073

mesc@ehu.eus

Drexel University

Jamie Banks

Operations Project Manager

A.J. Drexel Nanomaterials Institute
Department of Materials Science & Engineering
Center for Automation Technology - Room 383
3141 Chestnut St, PA 19104 Philadelphia, USA

Phone : +1 215 895 1768

jeb23@drexel.edu

Deakin University

Aimee Sanders

Administrative officer

Deakin University Burwood Campus
221 Burwood Highway
VIC 3125, Burwood, AUSTRALIA

Phone : +61 3 522 73657

aimee.sanders@deakin.edu.au

Credits

This document has been created and designed by **Léane La Gréca**, on <https://www.canva.com/>, under the supervision of **Jamila Tamimy**, with the contribution of **Julie Bodelu**.

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