



**LODZ UNIVERSITY OF TECHNOLOGY**

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[www.p.lodz.pl/en](http://www.p.lodz.pl/en)



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# LODZ UNIVERSITY OF TECHNOLOGY INTERNATIONAL FACULTY OF ENGINEERING (IFE)



Lodz University of Technology  
International Faculty of Engineering





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# INTERNATIONAL FACULTY OF ENGINEERING Faculté Internationale d'Ingénieurs

**„...to educate professional engineers and managers,  
fluent in foreign languages and able to demonstrate  
their knowledge in science, engineering technology and business...”**





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# INNOVATIVE EDUCATIONAL PROGRAMS

## ■ BSc programmes in English

- Mechanical Engineering and Applied Computer Science
- Telecommunications and Computer Science
- Business and Technology
- Biotechnology
- Computer Science
- Biomedical Engineering
- Science and Technology
- Information Technology
- Architecture Engineering

## ■ BSc programmes in French

- Gestion et Technologie



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## INNOVATIVE EDUCATIONAL PROGRAMS

### MSc programmes in English:

- Management
- Management and Production Engineering
- Biotechnology
- Computer Science and Information Technology (Physics Department)
- Computer Science and Information Technology (Electrical Department)
- Telecommunication and Computer Science
- Advanced Mechanical Engineering



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## IFE IN NUMBERS, 2016

- **350** admissions every year
- nearly **1400** students, 25% of whom are foreign students
- over **2500** graduates
- foreign students from 26 countries
- approximately **350 IFE** students on a one- or two-semester exchange programme at foreign universities
- **350** lectures/tutorials conducted in foreign languages
- over **180** exchange program agreements signed with foreign universities





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## Why are IFE programs innovative and unique?

- **European Project Semester (EPS)** under which students of various engineering and business programmes work in teams on multidisciplinary projects. These projects are carefully selected to match their specialities and capabilities as well as to develop their intercultural communication and teamwork skills.
- **Problem Based Learning (PBL) /Design Thinking (DT)** - a student-centred pedagogical method that allows students to gain competences in given academic fields through solving particular problems while working on a team project. Compared with a traditional educational model, PBL promotes a more independent and creative approach to learning.



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## Why are IFE programs innovative and unique?

- **Mobility Semester** for all third-year students giving them the opportunity to study at more than 180 universities in 26 countries under the Erasmus programme. The Faculty also accepts annually about 400 students from universities across Europe.





MEC

## III YEAR

V semester

- Computer Aided Design
- Computer Graphics
- Computer Networks
- Embedded Systems
- GUI-Programming
- Economics
- Operating Systems

- 3
- 5
- 6
- 5
- 3
- 2
- 6

VI semester

Mobility Semester

30

V semester	Elective courses 1	3
	Energy Resources and Conversion	3
	Manufacturing	6
VI semester	Mobility Semester	

VII semester	Heat Transfer	9
	Intellectual Property Protection	3
	Management	1
	Safety at Work and Ergonomy	4
		1
VIII semester	Industrial Placement	15
	Final Project Seminar	3
	Final Project	12

Management environnemental	3
Recources humaines	4
Propriété intellectuelle	4
Statistiques dans la fabrication	1
Statistiques	4
Statistiques dans la fabrication	4
Statistiques	30

VII semestre	Ingénierie d'innovation	3
	Logistique	5
	Management de la qualité et de la sécurité	5
	Méthodes des recherches en business	3
	Processus de fabrication	4
VIII semestre	Projet de fin d'études	15
	Séminaire	2
	Stage professionnel - minimum 4 mois	13

Total: 243 ECTS

Total 243 ECTS



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# Double Degree agreements



ARTS  
ET MÉTIERS  
ParisTech

# Universida de Vigo



Groupe Sup de Co  
La Rochelle



Hochschule für Technik und Wirtschaft des Saarlandes



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# Double Degrees



(1st year)



Universida deVigo  
(1st year)



(1st year)





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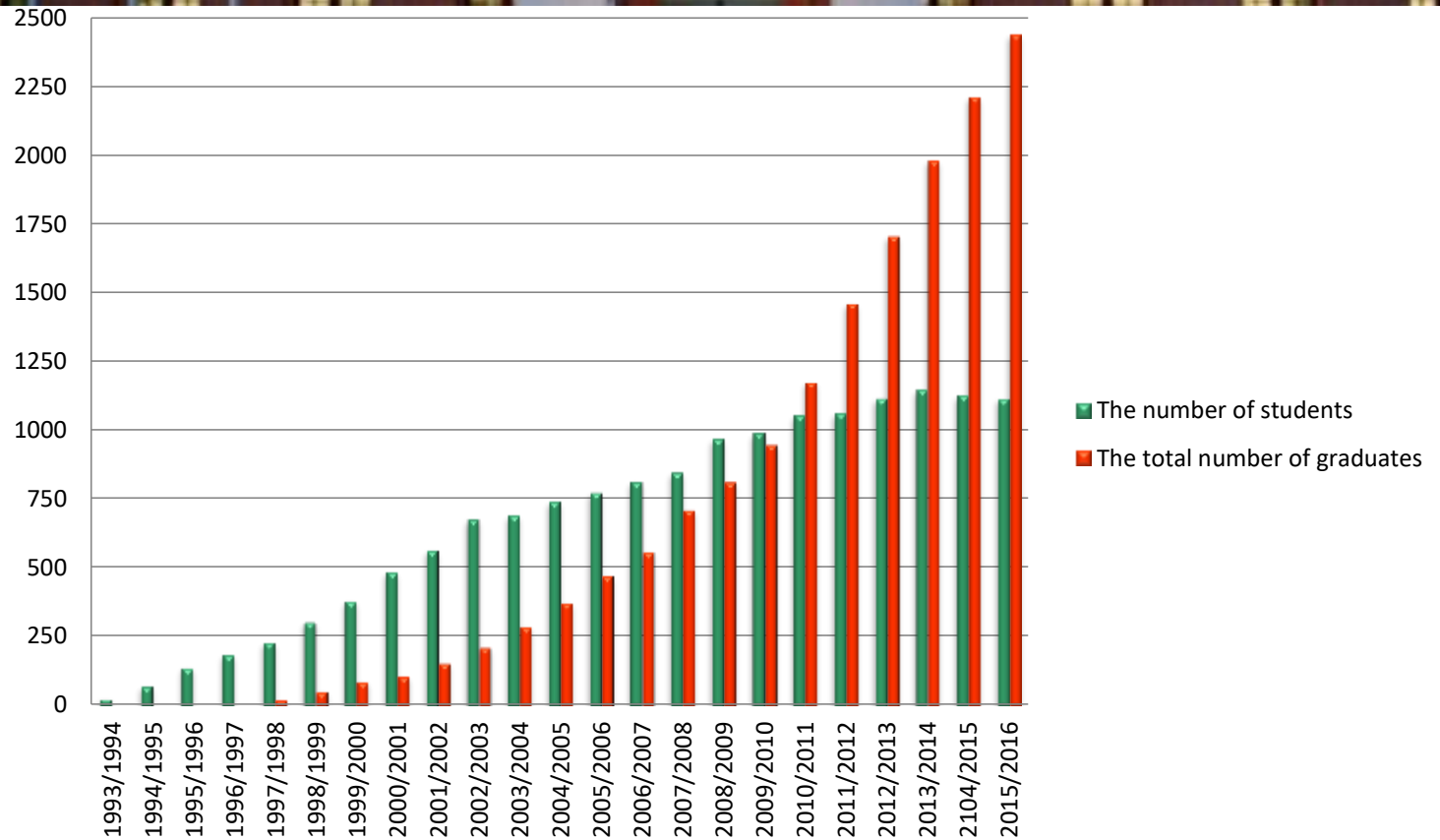
## INNOVATIVE EDUCATIONAL PROGRAMS

- ✓ **Programs prepared and taught in international cooperation-based on learning outcomes, in accordance with European Qualifications Framework**
- ✓ **Programs based on exchange and transfer of international experience and innovations**
- ✓ **Programs geared towards employability**



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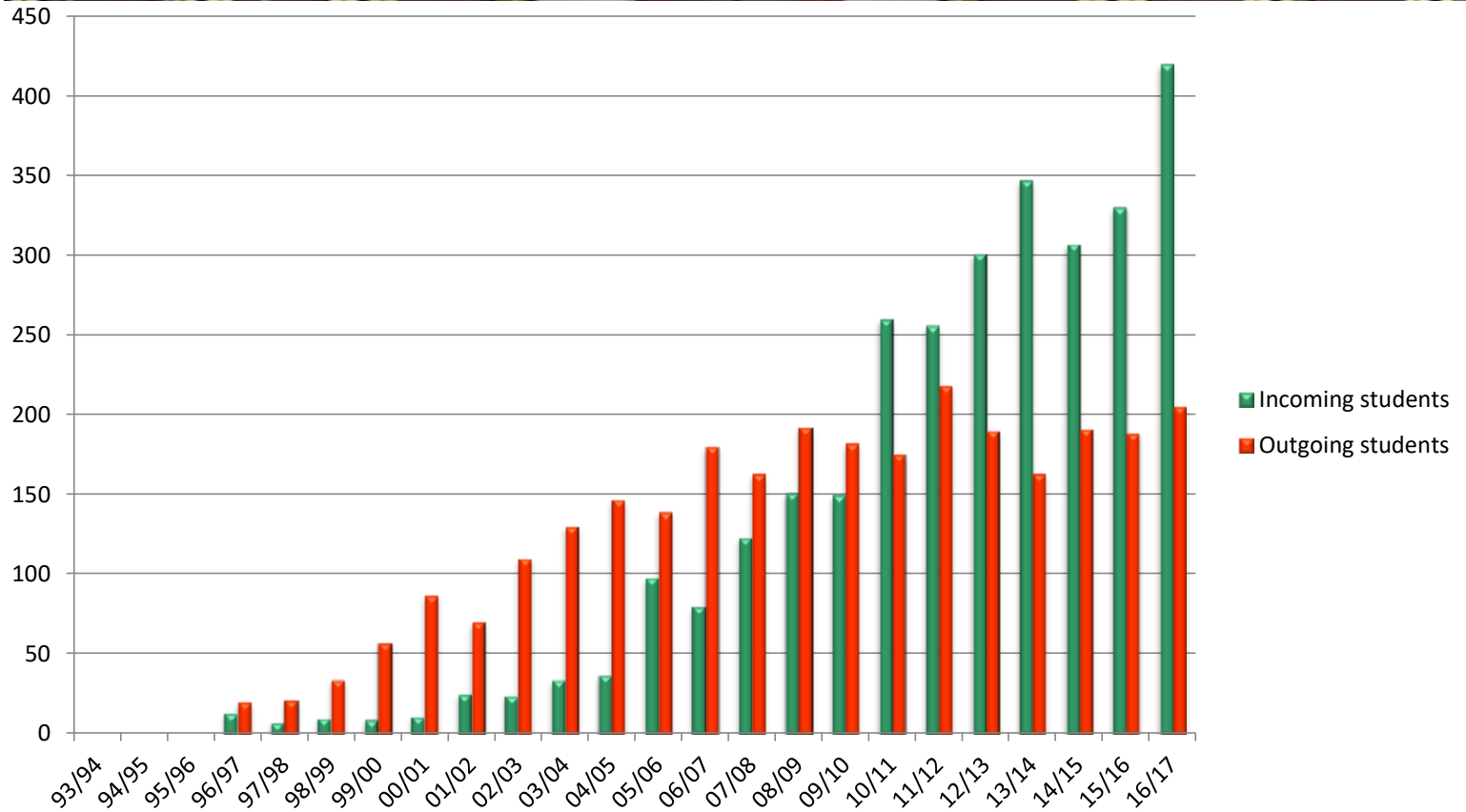
# Students and graduates - numbers





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# International students exchange

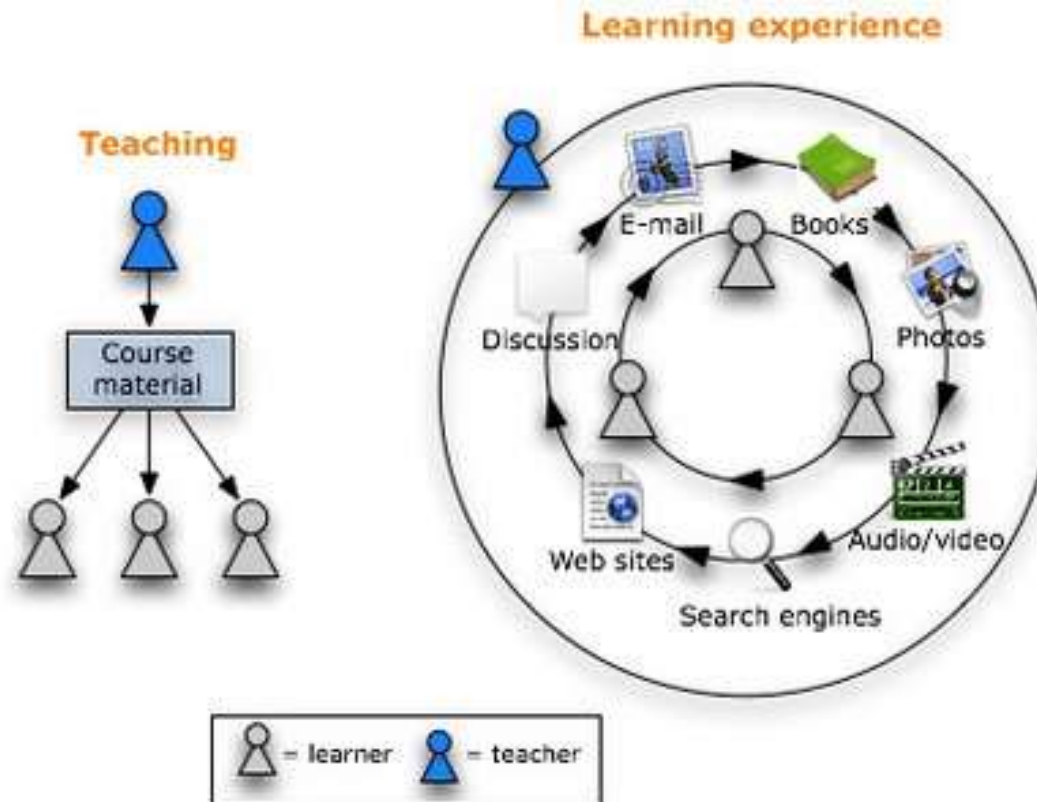






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# STUDENT CENTERED APPROACH





# STUDENT CENTERED APPROACH

## Designing Spaces for Effective Learning

A guide to 21st century learning space design

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**INTERNATIONAL FACULTY OF ENGINEERING  
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