



ERASMUS PROGRAMME – KEY ACTION 1
BLENDED INTENSIVE PROGRAMME CALL FOR APPLICATIONS
Functional Thinking - A.A. 2025/2026

1. BLENDED INTENSIVE PROGRAMME

The Erasmus Blended Intensive Programme (BIP) is a new short-term intensive mobility option envisaged by the new Erasmus+ 2021-2027 programme. Using innovative teaching and learning approaches, it offers an international experience that combines short-term physical mobility with a mandatory virtual component.

2. DESCRIPTION

<i>Blended Intensive programme - Title</i>	<i>Functional Thinking</i>
<i>Academic Tutors</i>	<i>Prof. Ottavio Giulio Rizzo</i>
<i>Department</i>	<i>Department of Mathematics</i>
<i>Corsi di Studio coinvolti</i>	<i>Preferably: Master programmes in Mathematics; or in Biogeosciences: analysis of ecosystem and science communication; or at the last year in the Bachelor's programmes in Mathematics and Natural Sciences;</i>
<i>Number of participants</i>	<i>Max 10 students (from the University of Milan)</i>
<i>Partners</i>	<i>Pädagogische Hochschule Ludwigsburg (DE) University of Utrecht (NL)</i>
<i>Period</i>	<i>Seminar/virtual activity: between October 2025 and January 2026 Physical activity: 9-13 February 2026</i>
<i>Length of virtual mobility period</i>	<i>To be confirmed by the organising partner</i>
<i>Length of in-person activities</i>	<i>5 days</i>
<i>Location</i>	<i>Ludwigsburg</i>
<i>No. of credits awarded</i>	<i>3 ECTS</i>
<i>Description</i>	<p>Functional thinking in the sense of thinking in terms of relationships, dependencies and changes is of great importance not only in mathematics lessons, but also in other subjects and in everyday life, for example when modeling the relationship between speed and distance or the spread of a virus over time. Unfortunately, there are numerous indications that functional thinking causes difficulties for pupils, which can have an impact on many areas of life.</p> <p>Within the Erasmus+ project "FunThink - Enhancing functional thinking from primary to upper secondary school", learning environments were developed to promote pupils' functional thinking in the long term. These are based on the educational standards and relate to different grade levels from elementary</p>



school to upper secondary school. In terms of teaching methods, all learning environments are geared towards research-based, situated and enactive learning with the inclusion of digital tools. In particular, the aim is to support the development of the conceptions and basic concepts relating to functional thinking and thus promote a deep understanding of functions.

In the seminary, the pre-service teachers will repeat some subject-specific and didactic basics of functions. Moreover, participants will get input on the current international state of research on functional thinking and how this can be promoted in the classroom. They will explore and (further) develop teaching materials, which may also be tested in their own classroom experiments and reflected on together.

3. WHO CAN APPLY

Application requirements are listed below:

1. Being regularly enrolled at the University of Milan for the 2024/2025 academic year, preferably in the *Master programmes in Mathematics and in Biogeosciences: analysis of ecosystem and science communication*; or at the last year in the *Bachelor's programmes in Mathematics and Natural Sciences*;
2. Being current with tuition and fee payments;
3. Not being a recipient of any other EU grant for stays abroad that overlap, even partially, with the BIP Erasmus+ period.

4. APPLICATION

To apply, register on the elixForms platform **by 2 pm on July 24, 2025**.

https://elixforms.unimi.it/rwe2/module_preview.jsp?MODULE_TAG=studenti_domanda_erasmus_BIP_20242025

The following documentation is required:

- 1) A paragraph explaining the reasons for the application in relation to the BIP's learning objectives (to be entered in the appropriate field of the online application form);
- 2) Signed CV and copy of ID (PDF/A file; max 5 MB);
- 3) Signed Self-certified transcript of records (to be printed from Unimia as a PDF/A file; max 5 MB);
- 4) An official English language certification (minimum B1) recognised by the University and obtained no more than five years before the time of application (the list of recognized certifications is available at <https://www.unimi.it/en/study/language-proficiency/other-foreign-languages-tests-and-courses>) or a language proficiency statement obtained through the University Language Centre, obtained no more than five years before the time of application. If the level of the language needed for the application expressly appears on the Unimia career, it is possible to submit a screenshot of it in pdf-format.



No interviews will be scheduled.

5. SELECTION PROCESS

A Rector-appointed board will select up to 10 students on the following criteria:

- a) Academic career and CV (up to 15 points);
- b) Language skills (up to 5 points);
- c) Candidate's motivation (up to 10 points).

The selection outcome will be posted to <https://www.unimi.it/en/international/study-abroad/international-opportunities> by **August 8, 2025**.

6. SCHOLARSHIPS

Selected students will be granted an individual BIP mobility grant of €79 per day. Students with fewer opportunities may receive an additional contribution of € 100/day (for a 5-14-day period of physical mobility).

All admitted students who will complete the physical and virtual mobility programme will be eligible to these grants.

7. PERSONAL DATA PROCESSING

Pursuant to EU Regulation 2016/679 ("General Data Protection Regulation - GDPR") and Legislative Decree no. 196/2003, as amended and supplemented, the University undertakes to keep the information provided by the applicant confidential. All data will be processed only for the purposes of participation in the programme. Information on the enforcement of the GDPR is available on the University website at <http://www.unimi.it/ateneo/73613.htm> - pathway: www.unimi.it > University > Privacy.

Milan, July 7, 2025

LA RETTRICE
Marina Marzia Brambilla
f.to Marina Marzia Brambilla