



## 2025 CALL FOR APPLICATIONS - INTERMATHS NETWORK

SUBMIT YOUR APPLICATION FOR THE ERASMUS MUNDUS JOINT MASTER “INTERMATHS - INTERDISCIPLINARY MATHEMATICS”, THE INTERNATIONAL MSC “REALMATHS - MATHEMATICS FOR REAL WORLD APPLICATIONS”, AND THE EUROPEAN JOINT MSC “MATHMODS - MATHEMATICAL MODELLING IN ENGINEERING”

Domanda/Application Id: 2010389

### 1 PROGRAMME PREFERENCES

#### 1.1 Programme Preferences

Express your level of interest for the Erasmus Mundus Joint Master “InterMaths - Interdisciplinary Mathematics”

High interest

Express your level of interest for the International MSc “RealMaths - Mathematics for Real World Applications

Moderate interest

Express your level of interest for the European Joint MSc “MathMods - Mathematical Modelling in Engineering”

Low interest

#### ✓ Confirm before proceeding

I am aware that the choices I am going to make below (and the order I may be giving them) are extremely important as they will be taken into consideration by the Scientific Committee to assign me a mobility path for my second year. Nevertheless, I understand that the final mobility path I will be assigned might vary from the choices I have made, as it will have to comply with the choices made by other selected students, so as to have a balanced number of students at each of the partner institutions within the related Consortium. I am also aware that I will not be enabled to make any changes to my preferences after having submitted my application

#### 1.2 Erasmus Mundus Joint Master “InterMaths - Interdisciplinary Mathematics”

Do you wish to indicate the study tracks you prefer for your Year 2 in “InterMaths”?

YES

Pick your favourite “InterMaths” track(s). If you have more than 1 preference, rank them from top to bottom

**Preferenza/Preference**

1. Stochastics for biological and artificial neural networks
2. Mathematical modelling for health care
3. Decision making and logistics
4. Computational Methods in Imaging
5. Modelling and simulation for the mitigation of natural disasters
6. Computational Fluid Dynamics in Industry

Is there any “InterMaths” track you are NOT interested in?

NO

**1.3 International MSc “RealMaths - Mathematics for Real World Applications”**

Do you wish to indicate the study tracks you prefer for your Year2 in “RealMaths”?

YES

Pick your favourite “RealMaths” track(s). If you have more than 1 preference, rank them from top to bottom

**Preferenza/Preference**

1. York University, Toronto - Canada
2. Leibniz University Hannover, Germany
3. Karlstad University, Sweden
4. Claude Bernard University Lyon 1, France [TBC]
5. Brno University of Technology, Czechia
6. Gdansk University of Technology, Poland
7. Silesian University of Technology, Gliwice - Poland
8. University of Silesia in Katowice, Poland
9. University of Aveiro, Portugal
10. Maria Curie-Sklodowska University, Lublin - Poland [TBC]

Is there any “RealMaths” track you are NOT interested in?

NO

**1.4 European Joint MSc “MathMods - Mathematical Modelling in Engineering”**

Do you wish to indicate the study tracks you prefer for your Year 2 in “MathMods”?

YES

Pick your favourite "MathMods" track(s). If you have more than 1 preference, rank them from top to bottom

#### Preferenza/Preference

1. Stochastic modelling and statistical learning
2. Mathematical modelling and optimisation
3. Modelling and simulation of complex systems
4. Mathematical modelling. Biomathematics
5. Mathematical models of nonlinear phenomena
6. Mathematical models in social sciences

Is there any "MathMods" track you are NOT interested in?

NO

## 2 PERSONAL DETAILS

### 2.1 Dati anagrafici / Personal Data

#### Users registration details

Nome/Name	Muhammad Usama	Cognome/Surname	Nawaz		
Codice fiscale/Italian tax code (if available)		Data di nascita/Date of birth	26 - 12 - 2001	Sesso/Sex	M
Cittadinanza Italiana/Italian citizenship	No	Stato di nascita/Country of birth	Pakistan		

In possesso di cittadinanza/Citizenship	PAKISTAN
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#### Residenza/Permanent Address

Indirizzo / Address	Khichi Khurd Post Office Kanairi Tehsil and District Bhakkar, Punjab, Pakistan			
Città/Town/City	Bhakkar	Paese/Country	PAKISTAN	

Recapito per ogni eventuale comunicazione (se diverso dalla residenza)/Address for correspondence (If different from permanent address)

Indirizzo / Address	Khichi Khurd Post Office Kanairi Tehsil and District Bhakkar, Punjab, Pakistan			
Città/Town/City	Bhakkar	Paese/Country	PAKISTAN	

#### Recapiti telefonici e telematici agli effetti del bando/Other contact data

Telefono fisso/Phone number	0923338546634	Telefono mobile/Mobile	0923117175733
Mailing address	usamanawaz9344@gmail.com		

### 2.2 Applicants born abroad

Luogo estero di nascita/Place of birth (enter the village, town or city - not the country - where you were born)

Khichi Khurd Post Office Kanairi Tehsil and District Bhakkar

## 2.3 Additional information

Are you a student with special needs  
(disability)?

NO

Are you planning to come with an accompanying  
person?

NO

Are you planning to come with your life  
partner?

NO

Are you planning to come with your  
children?

NO

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## 3 PREVIOUS EDUCATION

### 3.1 Education

Please only provide information about your undergraduate programme. You may use your CV to give details on any (post)graduate education

Degree  
type

Bachelor of Science

**Degree Programme name** - Official name of your undergraduate degree Programme (e.g. Information  
Engineering)

Mathematics

University name

National University of Sciences and Technology Pakistan

University town

Islamabad

University  
country

Pakistan

**Legal duration (years)** - Standard length of your undergraduate degree  
programme

4

Enrollment  
date

16-09-2020

Graduation date (estimated if still not set/unknown)

14-06-2024

Provide information about your secondary/high school)

School

Name

Superior College Darya Khan Road Bhakkar

School Town

Bhakkar

School

country

Pakistan

Leave date (year) - Year when you completed your secondary/high school, e.g.

2016

2019

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#### 4 INFORMATION NOTICE ON PERSONAL DATA TREATMENT

##### 4.1 Trattamento dati personali

✓ Si dichiara di aver preso visione della informativa sul trattamento dei dati personali/ I, the candidate, declare that I have read the privacy statement regarding personal data

✓ Si autorizzano il Titolare e il Responsabile al trattamento dei dati personali nei termini specificati dalla suddetta informativa / The Data Controller and Data Processor are authorized in the terms specified in the above mentioned privacy statement

##### 4.2 Dichiarazione di responsabilità

✓ Il firmatario, ai sensi degli artt. 46 e 47 del DPR 445 del 28/12/2000 e consapevole delle sanzioni previste dagli artt. 75 e 76 del medesimo e s.m.i., attesta la veridicità di quanto dichiarato nella presente domanda / Pursuant to articles 46 and 47 of Presidential Decree No. 445 of 28 December 2000 and aware of the penalties provided for in articles 75 and 76 of that same decree as amended, I, the candidate, declare that what is stated in this application is true

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#### 5 REQUIRED DOCUMENTS

##### 5.1 Required documents

ID card (for Europeans) or International Passport (for non Europeans)

Passport

Document number

KZ9619601

Issue  
date  
20-09-2024  
Expiration  
date  
19-09-2029  
Place of issue  
Islamabad, Pakistan  
Issuing  
authority  
Government of Pakistan

## 5.2 Upload the required documents

### Photo

ID-size photograph: around 300x400 pixel, taken in front of a plain white or off-white background and in full-face view directly facing the camera, with a neutral facial expression and both eyes open

Allegato/Attachment

Photo\_Nawaz.pdf

checksum: f29c81b32751b4940338dd5f04ab6d96045bf2e48179c5351d3c3e63a5a71562

## 5.3 CV

Only use the Europass template provided here:

<https://europa.eu/europass/en>

Allegato/Attachment

Europass CV\_Nawaz.pdf

checksum: 9498a5e789cbc91fa651a40d5232cda0b4aa36d00be002edc8bb160868c8242

## 5.4 Passport

ID card (for Europeans) or International Passport (for non Europeans)

Allegato/Attachment

Paasport ID\_Nawaz.pdf

checksum: a7b6dae442d4a677a28369cbbbfed3793d7eb0e22288ae0a88b9ff7de5c1bd25

## 5.5 English certificate

English  
certificate

I verify that I have conducted my university and/or secondary-school studies in an institution where English is the medium of instruction

## 5.6 Transcript of records

Transcript with records for each single attended course unit with the list of courses still to be attended to gain your Bachelor's degree

Allegato/Attachment

Official Transcript\_Nawaz.pdf

checksum: 305be0cc989f37d527db23383b9a6452fee9cd61160e9698a290debbb42db533

#### 5.7 Intent letter

Also known as motivation letter, your intent letter should be describing your interest in the subjects related to the proposed fields of study. The letter can be addressed to the Evaluation Committee. There is no particular template to follow, but you must not exceed 1 page - extra pages will not be evaluated.

Allegato/Attachment

Intent Letter\_Nawaz.pdf

checksum: 11490d3cad3aaec50910098990e892620f6f2f093a03e6437dcf3bfd64e90f3

#### 5.8 Course description

Use the template provided here here to verify your pre-knowledge in mathematics and related fields

Allegato/Attachment

Course Description\_Nawaz.pdf

checksum: 9b76e148f09ca61e35f27b735e1e5b07ff280381ae288119ad7e9516ce435dd3

#### 5.9 Other relevant documents

Other relevant documents

Allegato/Attachment

English Proficiency Letter\_Nawaz.pdf

checksum: aeaca4cbbc61d1588124f8f79ae2b3ce084a2d7b7623c9cba7a9e7fc1012da05

### Certification of Authenticity

I verify under my full responsibility that I have given correct and true information on all of the above.

Date and Place

01-03-2025(Islamabad)

Signature

