



Formular 1

Formular de publicare în platforma Euraxess a posturilor didactice

v. 18 dec 2025

Vă mulțumim anticipat pentru completarea corectă și integrală a acestui formular, care este aproape identic celui online.

Vă rugăm să parcurgeți instrucțiunile de mai sus și indicațiile de completare marcate cu gri în paginile următoare. Respectarea în totalitate a indicațiilor din preambul și din fiecare secțiune/rubrică ne ajută ca anunțurile să fie publicate la timp, fără să mai fie nevoie de reveniri, corecturi, clarificări sau modificări.

Înainte de a ne transmite formularul/formularele dvs., vă rugăm să vă asigurați că:

1. Ați înlocuit tot textul ce în prezent are culoarea gri cu informațiile specifice poziției scoase la concurs.
2. Textul pe care îl completați dvs. va fi doar de culoare neagră, Arial regular, de 11 puncte.
3. Conținutul formularului dvs. este text fără (a) liste automate cu litere sau cifre și fără (b) ghilimele, evidențierile sunt realizate doar prin *cursive/italic* sau **aldine/bold**.
4. Toate rubricile din stânga marcate cu **albastru** cu fundal gri (obligatorii) conțin informațiile solicitate.
5. Ați selectat opțiunea corectă acolo unde este meniu *drop-down* (*clik pentru....*).
6. Este de fiecare dată menționată corect denumirea actuală în limba engleză a instituției noastre: National University of Science and Technology POLITEHNICA Bucharest.
7. Toate informațiile din document, cu excepția titlului postului, sunt în limba engleză.

Conținutul furnizat de către dvs. îl încărcăm manual, rubrică după rubrică, uneori enunț cu enunț. Din acest motiv este foarte importantă respectarea tuturor indicațiilor de mai sus și păstrarea formatărilor documentului.

Pentru orice întrebări sau neclarități, vă încurajăm să ne contactați la euraxess@upb.ro.

I. Basic information

Title	Asistent universitar (First Stage Researcher, R1) Student(ă) la doctorat Position 53
Offer description	The Faculty of Engineering in Foreign Languages was created in 2002 by transforming the Department of Engineering Sciences (started in 1990) into a faculty of the University POLITEHNICA of Bucharest. The individuality of this faculty is given by the fact that engineering education is given in one of the foreign languages: English, French and German. For more information, the website of the faculty is at http://ing.pub.ro/. The Department of Engineering in Foreign Languages represents the technical department of the faculty. It is made by around 20 academic personnel with competences in engineering and in at least one of the languages English, French and German. There are included two lecturers sent by the French and German states. For more information, the website of the department is at http://dils.pub.ro/. The organizational chart of the department is the list of the subject components covered by the members of the department and by external professionals, where the department is responsible for the delivery of the topics and for quality of the learning. The position 53 is Teaching Assistant in the domain of Engineering and Management and covers the subjects: • Data Structures and Algorithms (Laboratory) • Systems Engineering (Laboratory) • Intelligent Systems Engineering (Laboratory) • Management of Information Systems (Laboratory) APPLICATION Before applying, all candidates are invited to read carefully the UPB's Methodology for occupying didactic and research positions: https://posturivacante.upb.ro/wp-content/uploads/2025/07/Metodologie-de-concurs-pentru-ocuparea-posturilor-didactice-si-de-cercetare-vacante-2025.pdf
Research field	Engineering , Computer engineering

Where to apply

nora.modrangu@upb.ro

II. Hiring information and work location

Department	Engineering in Foreign Languages.
Contact person e-mail	dilsupb@gmail.com
Contact person phone number	+40 21 402 96 06
Department/Centre website	http://dils.upb.ro
Faculty	Inginerie în Limbi Straine
Geolocalizare	Va fi completată de către <i>Punctul de contact Euraxess</i> , în funcție de adresa facultății/departamentului.

III. Requirements

Required education level	Engineering Computer engineering Systems engineering Knowledge engineering <u>Doar dacă</u> domeniul studiilor în care este nevoie să fie diploma candidatului/candidate NU figurează în lista de mai sus, vă rugăm să îl precizați aici, <u>cu roșu</u>: Vă vom contacta ulterior pentru validare. De asemenea, puteți selecta subdomenii de cercetare din Anexa. Vă rugăm să le menționați în ordinea din listă, sub forma: DOMENIU, subdomeniul 1, subdomeniul <i>n</i>. Master or equivalent În cazul posturilor de asistent universitar pe perioadă determinată, va fi aleasă opțiunea „master or equivalent”. Această informație va fi completată de către <i>Punctul de contact Euraxess</i> cu mențiunea obligatorie din secțiunea IV.
Skills/Qualifications	Strong Knowledge in Main Computer Science Areas: - Programming Languages: Proficiency in languages such as Python, Java, C++ - Algorithms & Data Structures: Understanding of fundamental algorithms, data structures, and computational complexity. - Operating Systems & Networking: Knowledge of OS principles, networking protocols, and distributed systems. - Databases: Familiarity with relational databases, SQL, and database management. - Software Development & Version Control: Experience with Git, Agile methodologies, and software development best practices.

	- Machine Learning/Artificial Intelligence (Optional): Familiarity with ML/AI frameworks if the course involves these topics - Systems Engineering & Modeling: Understanding of systems engineering principles, requirements analysis, system architecture, and modeling using UML/SysML. - Business Process Management: Understanding of business process modeling and analysis, including BPMN diagrams and familiarity with BPM software tools (e.g., ADONIS)
Specific requirements	În această secțiune veți menționa doar condiții obligatorii specifice postului respectiv. Nu se vor menționa criteriile obligatorii și nici informațiile deja conținute în Metodologia de concurs.
Required languages	Precizați limba <u>de predare a programului de studiu</u> . English Nivelul de limbă trebuie să fie excellent .
Required research experience	Engineering Computer engineering Systems engineering Knowledge engineering 1-4.

IV. Additional information

Website for additional job details	http://dils.upb.ro
Benefits	All academic staff at NUSTPB enjoy several benefits, such as training and professional development opportunities, holiday leave, accommodation in NUSTPB residences, banking facilities, access to research infrastructure, and software for remote working.
Eligibility criteria	The candidates must provide a document issued by the doctoral school they have been enrolled to, certifying the PhD candidate status.
Selection process	<i>Punctul de contact Euraxess</i> va completa calendarul de concurs în formă sintetică, pe baza hotărârii Senatului.
Additional comments	Orice alte informații pe care le considerați relevante, răspunsuri la posibile întrebări referitoare la poziția scoasă la concurs etc.

ANEXA: lista subdomeniilor de cercetare.

Este obligatoriu ca subdomeniile să corespundă unui domeniu de studii specific postului scos la concurs, iar acest domeniu să fie relaționat în mod explicit cu disciplinele din fișa postului.

Agricultural sciences

Agricultural products
Agronomics
Enology
Forest sciences
Phytotechny
Soil science
Temperate agriculture
Tropical agriculture
Zootechnics

Anthropology

Communication anthropology
Cultural anthropology
Ethnology
Medical anthropology
Physical anthropology
Social anthropology

Architecture

Design
Landscape architecture
Naval architecture

Arts

Arts management
Fashions studies
Fine arts
Handicrafts
Performing arts
Visual arts

Astronomy

Astrophysics
Cosmology

Biological Sciences

Biodiversity
Biological engineering
Biology
Botany
Laboratory animal sciences
Nutritional sciences
Zoology

Chemistry

Analytical chemistry
Applied chemistry
Biochemistry
Combinatorial chemistry

Computational chemistry
Heterogeneous catalysis
Homogeneous catalysis
Inorganic chemistry
Instrumental analysis
Instrumental techniques
Molecular chemistry
Organic chemistry
Physical chemistry
Reaction mechanism and dynamics
Solar chemistry
Structural chemistry

Communication sciences

Audio-visual communication
Business communication
Editing
Graphic communication
Journalism
Media studies
Online information services
Public relations
Publishing
Science communication
Speech communication

Computer science

3D modelling
Autonomic computing
Computer architecture
Computer hardware
Computer systems
Cybernetics
Database management
Digital systems
Informatics
Modelling tools
Programming
Systems design

Criminology

Cultural studies

European studies
Middle-Age studies
Regional studies
Renaissance studies
Third world studies

Demography

Economics

Administrative sciences
Agricultural economics

Applied economics
Banking
Business economics
Cadastral survey
Commercial economics
Construction economics
Consumer economics
Cyclical economics
Econometrics
Economic policy
Economic systems
Economic theory
Economics of development
Environmental economics
Financial sciences
Fishery economics
Food economics
Health economics
Home economics
Industrial economics
International economics
Knowledge economy
Labour economics
Labour market economics
Land economy
Local public economics
Macroeconomics
Management studies
Marketing
Microeconomics
Political economy
Production economics
Social economics
Tourism studies
Transport economics
Valuation
Veterinary economics

Educational sciences

Education
Learning studies
Research methodology
Teaching methods

Engineering

Aerospace engineering
Agricultural engineering
Biomaterial engineering
Biomedical engineering
Chemical engineering
Civil engineering
Communication engineering
Computer engineering
Control engineering
Design engineering
Electrical engineering

Electronic engineering
Geological engineering
Industrial engineering
Knowledge engineering
Maritime engineering
Materials engineering
Mechanical engineering
Microengineering
Nuclear engineering
Precision engineering
Process engineering
Project engineering
Simulation engineering
Sound engineering
Surveying
Systems engineering
Thermal engineering
Water resources engineering

Environmental science

Earth science
Ecology
Global change
Natural resources management
Water science

Ethics

Ethics in health sciences
Ethics in natural sciences
Ethics in physical sciences
Ethics in social sciences

Geography

Cartography
Economic geography
Geopolitics
Historical geography
Human geography
Regional geography
Social geography

Geosciences

Geology
Hydrology

History

Ancient history
Archaeology
Art history
Church history
Contemporary history
Economic history
Genealogy
Heraldry

History of agriculture
History of design
History of law
History of performance
History of philosophy
History of religions
History of science
History of social sciences
Local history
Mediaeval history
Modern history
Music history
Numismatics
Palaeography
Political history
Prehistory
Sigillography
Social history

Information science

Archivists
Diplomatics
Documentation
Information management
Library science

Juridical sciences

Agrarian law
Canon law
Comparative law
Criminal law
Environmental law
European law
Finance law
Fiscal law
Health law
Informatic law
International law
Judicial law
Juvenile law
Labour law
Media law
Medical law
Private law
Public law
Roman law
Social law
Transportation law

Language sciences

Language
Linguistic
Philology

Literature

African literature
American literature
Asian literature
Austronesian literature
Comparative literature
European literature
Greek literature
Hamito-Semitic literature
Literary criticism
Writing

Management sciences**Technology**

Biotechnology
Chemical technology
Energy technology
Environmental technology
Future technology
Electrical technology
Dating techniques
Communication technology
Computer technology
Construction technology
Graphic technics
High vacuum technology
Space technology
Standardisation of technology
Telecommunications technology
Sound technology
Safety technology
Production technology
Quantum technology
Remote sensing
Transport technology
Vacuum technology
Water technology
Pharmaceutical technology
Knowledge technology
Laboratory technology
Marine technology
Internet technology
Interface technology
Industrial technology
Information technology
Instrumentation technology
Materials technology
Measurement technology
Nanotechnology
Nuclear technology
Optronics

Mining technology
Medical technology
Military technology
Micro-technology

Religious studies

Biblical studies
Church studies
Comparative religion
Non-Christian religions
Pastoral studies.

Sociology

Sociology of religion
Sociology
Sociology of labour enterprise
Sociology of enterprise
Social shaping of technology
Societal behaviour
Socio-economic research
Social changes
Rural sociology
Educational sociology
Macrosociology

Psychological sciences

Psychology
Psycho-analytic studies
Behavioural sciences
Cognitive sciences

Neurosciences

Neurology
Neurophysiology
Neuropsychology
Neuroinformatics
Neurochemistry
Neurobiology

Pharmacological sciences

Clinical pharmacology
Cosmetology
Pharmacognosy
Pharmacy
Toxicology
Veterinary pharmacology

Mathematics

Combinatorial analyses
Computational mathematics
Discrete mathematics
Chaos theory
Applied mathematics
Algebra
Algorithms
Geometry
Mathematical analysis
Statistics
Probability theory
Mathematical logic
Number theory

Philosophy

Ethics
Metaphysics
Epistemology
Aesthetics
Logic
Philosophical anthropology
Epistemology
Phenomenology
Philosophy of law
Philosophy of science
Semiotics
Systematic philosophy

Medical sciences

Cancer research
Epidemiology
Health sciences
Veterinary medicine
Medicine

Political sciences

Science and society
Policy studies
Public awareness of science
Public policy
Governance

Physics

Crystal growth
Quantum mechanics
Relativity
Solid-state physics
Optics
Neutron physics
Electronics
Mathematical physics
Metrology
Statics
Statistical physics
Surface physics
Thermodynamics
Electromagnetism
Condensate matter properties
Acoustics
Classical mechanics
Computational physics
Chemical physics
Biophysics
Applied physics