University of Cyprus
Faculty of Engineering
Interdepartmental Postgraduate Programme
Energy Technologies and Sustainable Design

VACANT POSITION FOR SPECIAL SCIENTIST TEACHING POSITION

Title: Special Scientist (Teaching) Position

Number of positions: One (1)

Category: Part-time Contract, with potential for renewal

Place of employment: Faculty of Engineering, University of Cyprus, Nicosia

The Interdepartmental Postgraduate Programme «Energy Technologies and Sustainable Design» (IPP-ETSD) of the Faculty of Engineering at the University of Cyprus is now accepting applications for one (1) position of Special Scientist (Teaching). The position is intended to cover the teaching needs of the ETSD program for the Fall Semester (15 teaching weeks) of the Academic Year 2026 - 2027. The contract is for part-time employment (fixed term with potential renewal). Appointing a successful candidate to fill the position is subject to funding availability and filling the minimum number of course audience.

DUTIES AND RESPONSIBILITIES:

1. Teaching the postgraduate course **"POL 800 - Research Methodologies".** The language of the course is English. The course will be held every Thursday at 17:00-21:00 (3 hours of teaching and 1 hour of laboratory) on the university campus.
2. Advising students during office hours on writing papers, supervising and grading exams and assignments.

ESSENTIAL QUALIFICATIONS:

1. PhD degree on a topic the methodology of which comprises Field Experiments, and/or Laboratory Experiments, and/or Computational Simulations and/or Research by Design methodologies and/or involving social-people-centered approaches.
2. Excellent knowledge of English (written and spoken).
3. Very good knowledge of the Greek language (written and spoken).

ADVANTAGES:

1. Teaching and research experience in higher education in a relevant subject.
2. Academic excellence (books, publications in scientific journals).

TERMS OF EMPLOYMENT:

Special Scientist (PhD holder) remuneration is 68 euros (gross) per teaching hour, from which the employee's contributions to the various State Funds will be deducted. The average workload for the total 15 weeks of employment will be 4 hours per week (3 hours of teaching and 1 hour of laboratory). Remuneration will be paid monthly.

If an applicant is employed in the public or wider public sector of the Republic of Cyprus, they must obtain in advance permission to work at the University from the appropriate Department/Ministry, or wider public sector authority.

Applicants need not be citizens of the Republic of Cyprus. Applicants should, however, ensure, before applying, that if they are selected, they will reside in Cyprus on a full-time basis during the employment period; submission of the application implies acceptance of this condition. Acceptance of this term must also be explicitly stated in the letter of application.

The employment of persons who have reached the age od 65 yeards old, at the commencement date of employment, is prohibited

Interested candidates should submit their application via the website https://applications.ucy.ac.cy/recruitment with the following documents:

1. Letter of motivation for this position.
2. Full CV (including contact address and telephone number).
3. Copies of degrees.
4. Indicative publications.
5. Contact details of at least two people qualified to provide recommendation for the candidate.

Applications with all necessary supporting material should not exceed 20 MB.

At least the top three (3) candidates that satisfy the required qualifications, will be interviewed by the Academic Committee of the Program.

Applicants will be informed of the outcome of their application by the entity via email.

The selected candidate will be asked to provide certified photocopies of degrees from the Ministry of Education, Sports and Youth (in case of degrees from private schools/universities in Cyprus) or from the Issuing Authority (in case of universities abroad).

The deadline for submission of applications is **Thursday, June 4, 2026 at 11.00 a.m.**.
For further information you can email energytech@ucy.ac.cy with the subject "Teaching Specialist Scientist Teaching Position – Fall Semester 2026-2027".

The University of Cyprus shall collect and process your personal data according to the provisions of the General Regulation on Personal Data 2016/679 (EU).

The University of Cyprus (UCY) is committed to promoting inclusivity, diversity, and equality, as well as to eliminating all forms of discrimination in order to provide a fair, safe, and pleasant environment for the entire university community, where students and staff members feel supported both in their professional and personal development, within and beyond their multiple identities. To this end, UCY seeks to create the necessary conditions that will encourage diversity and ensure respect and dignity both in the workplace and in society at large. Moreover, UCY has adopted specific policies to promote equal opportunities, as well as respect and understanding of diversity, and it is committed to promoting and maintaining a working, teaching, and learning environment free from any form of discrimination, whether direct or indirect.

Course Description

Course Title	**Research Methodologies**				
Course Code	**POL 800**				
Course Type	Compulsory				
Level	Postgraduate				
Year / Semester	1st / fall semester				
Teacher's Name	Special Teaching Staff				
ECTS	8	**Lectures / week**	3 hours lecture & 1 hour tutorial	**Laboratories / week**	-
Course Purpose and Objectives	- Develop a critical approach to scientific issues and the role of research. - Develop skills in different epistemological approaches for scientific research problems - Train in basic research methods and project management. - Develop the skills needed for effective and clear communication of technical, scientific and professional information in academia, industry and the public - Develop competence in preparing and presenting scientific documents, scientific publications and proposals.				
Learning Outcomes	Upon completion of the course, students will have acquired the basic skills for researching scientific problems, including:				

	1. Develop critical thinking to choose and / or combine methodological approaches to tackle complex and interdisciplinary scientific and technical problems. 2. Ability to critically apply data collection, codification, evaluation, and data analysis 3. Ability to critically apply basic methods of qualitative and quantitative research 4. Ability for literary review 5. Enhance public speaking and communication skills through practice in class and rehearsals in individual tutorials; ability to communicate technical, scientific, and professional information in academia, industry, and the general public 6. Develop competence in writing scientific publications and proposals for effective and clear communication of research projects.		
Prerequisites	-	**Required**	-
Course Content	1. Introduction to Research Methodology (importance and purpose of scientific research, research approaches and interdisciplinarity) (1L) 2. Literature review and methods of carrying it out (1L) 3. Data collection 4. and data analysis methods (statistical methods, statistical error determination, uncertainty analysis) (2L) 5. Field Research Design (1L) 6. Design of Laboratory Experiments and experimental layouts (1L) 7. Design of computational experiments (1L) 8. Research through Design (1L) 9. Social and human-centered approaches to research (1L) 10. Ethical Issues in Research and Publications (1L) 11. Oral presentation and presentation of research projects in poster format (1L) 12. Preparation of scientific publications: Structure and elements of publications, the art of scientific writing, preparation of figures and tables, citations, selection of journals, manuscript submission, reviewing and publication process (1L). 13. Introduction to Machine learning and AI – The role of AI & ML in scientific research (1L)		
Teaching Methodology	Class lectures; power point presentations; practical speaking/writing sessions During the first week of the semester, the Syllabus of the course is given by the teacher, which includes information on the course content, expected learning outcomes, assessment, and office hours		

Bibliography	Indicative Bibliography: - Research Design: Qualitative, Quantitative, and Mixed Methods Approaches, 4th Edition, John W. Creswell - The Research Methods Knowledge Base, 3rd Edition, William M. K. Trochim, James P. Donnelly - Doing Your Research Project (Open Up Study Skills) 5th Edition, Judith Bell - The Essential Guide to Doing Your Research Project 2nd Edition, Zina O'Leary - Research Methods in Education 7th Edition, Louis Cohen, Lawrence Manion, Keith Morrison - The Foundations of Social Research: Meaning and Perspective in the Research Process, Michael J Crotty - Mike Ashby, How to Write a Paper, University of Cambridge, Cambridge, 6th ed., 2005. http://www-mech.eng.cam.ac.uk/mmd/ashby-paper-V6.pdf - Raymond Boxman, Edith Boxman, Communicating Science - A Practical Guide for Engineers and Physical Scientists, World Scientific, 2017. ISBN: 9789813144224 - Lecture notes; selected articles (scientific manuscripts, review articles)
Assessment	written assignments (50%) Project presentation (50%)
Language	English