

JOB DESCRIPTION

1. JOB DETAILS:

Position Title:	Assistant Professor
Reports to:	Head of Department
Department:	Sciences and Engineering
Location:	Abu Dhabi, UAE
Grade:	F3
Prepared / Revised on:	August 2025

2. JOB PURPOSE / ROLE:

The successful candidate will conduct both Research and Teaching activities to a level compatible with the standards of Sorbonne Université. In particular, (s)he is expected to produce very-high-level research output, to nurture her/his Research network and to actively engage in the Research Themes developed around the Sorbonne Center for Artificial Intelligence (SCAI) which has been established in January 2020, on both Paris and Abu Dhabi campuses.

We will consider top-tier applicants whose research sits at the interface of rigorous Mathematics and data-driven methodology, with particular emphasis on Mathematical and Applied Statistics as well as Machine/Deep Learning. Candidates who pair a strong mathematical/theoretical foundation with hands-on experience in modern statistical-learning techniques are especially attractive.

As for the teaching duties/assignments, the new Faculty will be mainly engaged in teaching intermediate to advanced undergraduate courses in Analysis, Algebra, Probability and Stochastic Processes, Statistics and Data Analysis at the undergraduate level. At the postgraduate level, the successful candidate is expected to teach advanced courses in Theoretical/Applied Statistics and Machine Learning. The typical teaching load amounts to 192 hours per academic year, translating in roughly 7 teaching hours per week for 28 weeks. It is worthwhile noting that the programs are designed by Sorbonne Université – Faculté des Sciences in France, and courses are delivered exclusively in English. The Undergraduate Courses follow the European Credit Transfer System (ECTS), and the degrees are awarded by Sorbonne Université - Paris.

Moreover, the recruited Faculty is expected to serve on committees at the University and the Department level, and to engage actively in the department's activities, including those which contribute to visibility and outreach, e.g. establishing collaborations with local/international companies/institutions.

Last but not least, the successful candidate will be expected to play an active role in SCAI-led, industry-oriented projects, collaborating closely with engineering teams to translate theoretical advances into deployable solutions.

The candidate will report to the Head of Department and to the Programme Head of the Bachelor in Mathematics.

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3. JOB DIMENSIONS

Number of Staff Supervised:	Direct Reports:	0
	Total:	0

4. KEY ACCOUNTABILITIES:

KEY PRIORITY	KEY ACTIVITIES
<ul style="list-style-type: none"> Research & Conferences 	<ul style="list-style-type: none"> Conduct collective and individual research within the field of interest in order to satisfy the strategy of the University and research objectives given by the research council and enhance the University's reputation, including but not limited to: determining relevant research objectives, initiating and implementing a research project and managing timeframes; resources; materials, finance, equipment etc. in order to achieve the research objectives. Write-up research work appropriately for publication to disseminate ideas and results to the wider community and participate in presentations and conferences to establish and maintain network contacts, raise the profile of the research and University, and keep up to date with recent developments. Identify appropriate sources of funding and prepare research proposals in order to obtain the financial support needed for the research project. Supervise undergraduate and postgraduate research students to assist in the development of their research skills and fulfil the research requirements of their degree qualification.
<ul style="list-style-type: none"> Lecturing 	<ul style="list-style-type: none"> Deliver teaching courses to ensure that student learning outcomes are achieved, and aim for teaching excellence for the department, including but not limited to preparing teaching material in advance; communicating subject matter in a way students can understand; observing student progress and learning styles; reacting appropriately to students needs; responding, where appropriate, to student questions outside class times; preparing for contingencies in course delivery etc. Conduct assessment of the students' work to determine whether the students have achieved the desired standards for progression in their studies or award of a qualification and providing feedback designed to develop and motivate student learning and addressing issues if required. Develop and encourage teaching modes based on projects and students autonomous work, and research-oriented teaching.
<ul style="list-style-type: none"> Student Counselling 	<ul style="list-style-type: none"> Provide academic and career advice to students according to their academic or personal needs, within own level of competence. If necessary, refer them to the appropriate authority for further help or guidance e.g. Business Liaison & Career Advisor, Student Counsellor and/or a relevant University staff member. Responsible to build positive relationships with students that enhance the learning experience, foster a supportive academic environment, and contribute to the overall success of both students and the institution. Provide guidance on internships, placements, and job opportunities whenever required by students. Mentor graduate students in their research and academic pursuits.

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▪ Course assessment & Improvement	<ul style="list-style-type: none"> ▪ Self-evaluation of the course. ▪ Include the outcome of the students survey and feedback during the assessment process of the course. ▪ Participate and contribute toward the development of innovative pedagogical tools and methods within the department.
▪ Examination Duties	<ul style="list-style-type: none"> ▪ Invigilate examinations when required, to ensure that exams are carried out according to the rules set out by the exam board; allow each candidate to sit the exam in the same conditions; and control cheating. ▪ To support and participate in examination activities such as paper setting, assessing answer sheets, students' presentation, and practical evaluation etc.
▪ Daily operations of the department	<ul style="list-style-type: none"> ▪ Liaise with the Academic Coordinator to arrange the teaching requirements, such as lesson schedules; teaching materials; submission of student assessments; addressing student special needs for testing etc. ▪ Participate in the events, communications, and school visits etc. in order to support the recruitment objectives. ▪ Organize events and extra-curricular activities (cultural events, conferences, field trips etc.), encourage community engagement and culture of continuous learning and professional development.
▪ Administrative	<ul style="list-style-type: none"> ▪ Work with relevant departments to support the development and implementation of university functions, such as Student Recruitment; Admissions; Library learning resources; IT teaching technology etc. ▪ Coordinate teaching programs with relevant faculty staff to ensure the course complements other courses taken by students. ▪ Represent the faculty or the department on relevant committees, task forces and focus groups to ensure appropriate governance and progress in the university.
▪ Policies and Procedures	<ul style="list-style-type: none"> ▪ Follow department policies, processes, standard operating procedures, and instructions so that work is carried out in a controlled and consistent manner.
▪ Related Assignments	<ul style="list-style-type: none"> ▪ Perform other related duties or assignments as directed by the Line Manager.

5. QUALIFICATIONS, EXPERIENCE, & SKILLS:

Minimum Qualifications:

- PhD is mandatory (granted by Gov. body when available from home-country, CNU approval is mandatory if qualification was obtained in France).

Minimum Experience:

- 5 years teaching and research experience in higher education sector including PhD experience.

Job-Specific Skills:

- University lecturing skills and knowledge.
- International research and scientific presence.
- Original publications in scientific journals or in proceedings of scientific conferences.
- Advanced mastery of innovative pedagogical skills and knowledge of university learning resources and technology including Microsoft Office programs and online platforms.

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- Individual and collective research skills and experience and demonstrated ability to secure external research funding.
- Communication skills.
- Excellent interpersonal skills.
- Critical thinking.
- Strong teamwork abilities and high sense of collaboration.
- Flexibility and ability to adapt effectively in multicultural environments.
- Languages: English is mandatory; French and Arabic would be an added value.

Line Manager Name & Signature:

Employee Name & Signature:

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