



Job title	Assistant Professor in Engineering Design	Job family and level	Teaching & Leadership Curriculum Extended Level 5
Department	Department of Mechanical, Materials and Manufacturing Engineering	Location	University Park Campus

Purpose of role

The University of Nottingham seeks applications for a Part Time (at 0.06FTE) Assistant Professor in Mechanical Engineering Design to contribute to teaching on our undergraduate taught programs in Mechanical Engineering, Manufacturing Engineering and Product Design and Manufacture. This role is offered as teaching and learning (T&L) only. This post is offered at Level 5 as it is expected that the successful candidate will have expertise in Mechanical Engineering Design and applications are particularly welcome from individuals with experience of teaching and industrial practice in this area. Experience in undergraduate programme accreditation by professional bodies and ability to teach core modules at university level would also be an advantage.

The role will see the applicant directly supervising small student group design activities and will require close observation and guidance of students through the process of conceptual design, concept evaluation, concept selection, design embodiment and ultimately manufacture and audit. A successful applicant will need to provide detailed reviews of students' progress throughout the process, both at individual and group level, and provide formative and summative assessment with detailed feedback and where required guide students in effective teamworking and team conflict resolution. A successful candidate will be expected to engage with module conveners, acting within their guidance and at all times to follow all applicable University guidance and policies.

The post holder may also make a significant contribution to the Department/Faculty via leadership and/or administrative management and/or co-ordination of specific initiatives.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	% of time
1	<ul style="list-style-type: none"> ▪ Deliver teaching within the area of Mechanical Engineering Design ▪ Perform assessment and provide feedback on student work. 	80%
	<ul style="list-style-type: none"> ▪ Where appropriate feedback on the aims, delivery or assessment of existing Mechanical Engineering Design modules. ▪ Be responsible for and comply with the University's quality assurance standards and procedures. ▪ Be responsible for the safe conduct of work within work area and teaching responsibilities ensuring that the academic unit's arrangements for compliance with the University Safety Policy are implemented ▪ Support the departments professional accreditation activities if requested ▪ Support departmental teaching on UG programmes if requested 	20%

Person specification

	Essential	Desirable
Skills	<ul style="list-style-type: none"> ▪ Excellent oral and written communication skills, including the ability to communicate complex information with clarity. ▪ Excellent professional practise and interpersonal skills. ▪ Self-starting and pro-active, demonstrating the ability to work alone or in a team to meet deadlines and to prioritise tasks. 	<ul style="list-style-type: none"> ▪ Ability to teach other subjects within the department, including thermodynamics, thermofluids and sustainable engineering ▪ Skills in planning and organising resources. ▪ High level analytical capability. ▪ Skills in pastoral care and motivation of students at all levels.
Knowledge and experience	<ul style="list-style-type: none"> ▪ Extensive knowledge of Mechanical Engineering and Design disciplines. ▪ Experience in the development, organisation and delivery of undergraduate and/or graduate teaching. ▪ Experience in development and application of robust assessment, marking and feedback. ▪ Evidence of a commitment to deliver quality services to students - including the ability to engage constructively with students. ▪ Experience in training young engineers for effective team working 	<ul style="list-style-type: none"> ▪ Knowledge or experience of Industry standard design practices. ▪ Knowledge of or experience Digital Manufacturing practices. ▪ Knowledge or experience of the role of people and project management in the discipline of Engineering Design. ▪ Knowledge or experience of undergraduate programme accreditation by professional bodies
Qualifications, certification and training (relevant to role)	<ul style="list-style-type: none"> ▪ PhD in Mechanical Engineering or other relevant discipline 	<ul style="list-style-type: none"> ▪ Membership of a professional body where appropriate.



As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those whose protected characteristics under the Equality Act 2010, are not well-represented in our current staff body.

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership** Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking** Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
- Professional pride** Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive** Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key relationships with others

