

Department	School of Engineering and the Built Environment
Supervisors	Dr Masoud Sajjadian
Project Title	What Leads to Low-Performance Buildings in Spreading Viruses – An Evidence-Based Framework for Office Buildings
<p>PROJECT DESCRIPTION</p> <p>The Covid-19 pandemic has emphasized, once again, the role of the built environment sector in users health and safety. This PhD aims to collect the lessons learned from the current pandemic on how the virus spread can be minimized through robust ventilation strategies inside the office buildings, explore the roots for failure in operations and standards since the beginning of the pandemic and further provide implications of indoor ventilation requirements by COVID-19 protocols on existing office building users health and comfort in the UK.</p> <p>Academic qualifications</p> <p>A first degree (at least a 2.1) ideally in a relevant scientific discipline such as architecture, technology or engineering with a good fundamental knowledge of data collection methods and building physics.</p> <p>English language requirement</p> <p>IELTS score must be at least 6.5 (with not less than 6.0 in each of the four components). Other, equivalent qualifications will be accepted. Full details of the University's policy are available online.</p> <p>Essential attributes:</p> <ul style="list-style-type: none"> • Experience in fundamental building engineering topics • Competent in data collection methods and design research • Knowledge of building physics • Good written and oral communication skills • Strong motivation, with evidence of independent research skills relevant to the project • Good time management <p>Desirable attributes:</p> <p>Candidates with postgraduate qualifications and work experience in building engineering-related areas</p>	
Enquiries	For informal enquiries about this PhD project, please contact m.sajjadian@napier.ac.uk
Web page	https://www.napier.ac.uk/research-and-innovation/research-degrees/application-process

