



Loughborough
University



IN THE UK FOR
ART AND DESIGN
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GUIDE 2021



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THE GUARDIAN
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TOP
25 IN THE WORLD
FOR ART AND
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RANKINGS BY SUBJECT
2020

Design

Postgraduate programmes





Why choose Design at Loughborough University?

There are many ways in which students can benefit from joining our School of Design and Creative Arts.

Programmes are taught by experienced academic staff, many of whom are at the forefront of research at national and international level.

Our world-class facilities cater for a broad range of digital and analogue projects, providing artistic freedom and a high-quality learning experience to all students.

The School also boasts excellent, long-standing relationships with a huge variety of industry employers and not-for-profit organisations to enhance future employability. There is a unique sense of community spirit within the School that stimulates personal development, allowing students to embrace their creative potential in a fully inclusive environment.

Professor Cees de Bont
Dean of the School of Design and Creative Arts



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Your learning experience

We are proud to be helping the next generation of designers (industrial, product, interaction, user experience and human factors) develop truly life-changing products and services of the future.

Our expertise and teaching is built on the design principles of aesthetics, technology and understanding the user. We offer four postgraduate taught programmes and a range of research opportunities that are designed to help you develop your critical awareness, nurture innovative ideas, and truly understand the role of design in the world around you.

We have particularly close links with a range of world-class businesses and organisations, including:

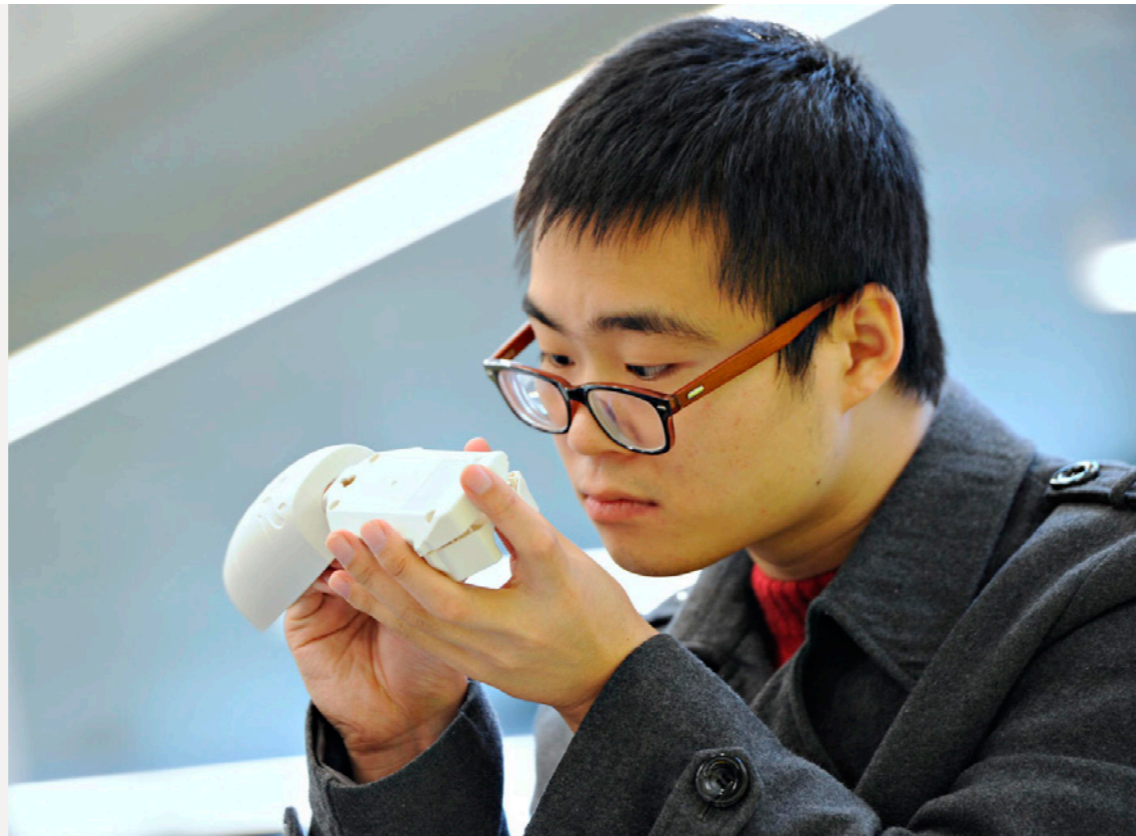
- Adidas AG
- British Council
- Camelot
- Deloitte Digital
- Department for Transport
- Ford
- Hubbub
- IBM
- Innovate UK
- Jaguar Land Rover
- National Health Service
- Nissan UK
- Sainsbury's
- United Nations

Facilities

Based in a £21 million state-of-the-art building, we have a wealth of facilities, including access to specialist software, workshops, and laboratories. Our research facilities include a fully equipped ergonomics laboratory, eye-tracking devices, driving simulators, climatic chambers, and additive manufacturing machines.



“I love the block taught module schedule. If I am self-disciplined and keep up with my assignments, I am able to travel in between modules, which is really important to me, as an international student.”



Our international community

The School of Design and Creative Arts has a strong and growing international postgraduate community with students from several nations represented from around the world.

Both international and domestic students alike are strongly supported throughout their studies by personal tutors within a thriving student community.

We aim to offer both staff and students a high-quality international experience in the world of art and design, by developing a global community within the School of Design and Creative Arts, encompassing an international educational experience, internationally renowned research and enterprise engagement.

Our programmes are taught by outstanding academics from across the world, covering over 70 nationalities, meaning that our postgraduate students benefit from a diverse and multicultural teaching experience. Our academics are specialists in their field, who are enthusiastic about their subjects, and are at the forefront of current research.

Furthermore, the University has consistently scored highly for teaching quality in all External Subject reviews and national league tables, including being awarded “Gold”, the top accolade in the national Teaching Excellence Framework (TEF). The Gold award “recognises institutions that deliver consistently outstanding teaching, learning and outcomes for its students and is of the highest quality found in the UK”.

Research and enterprise

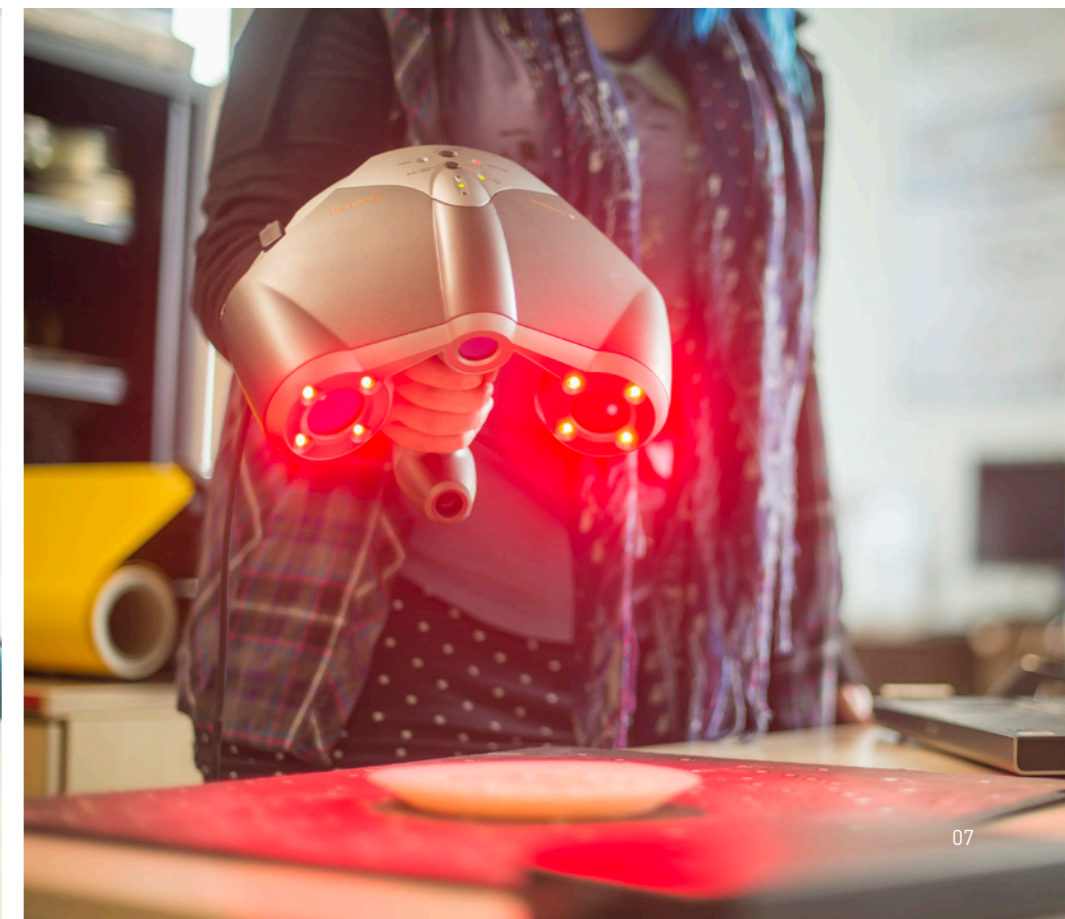
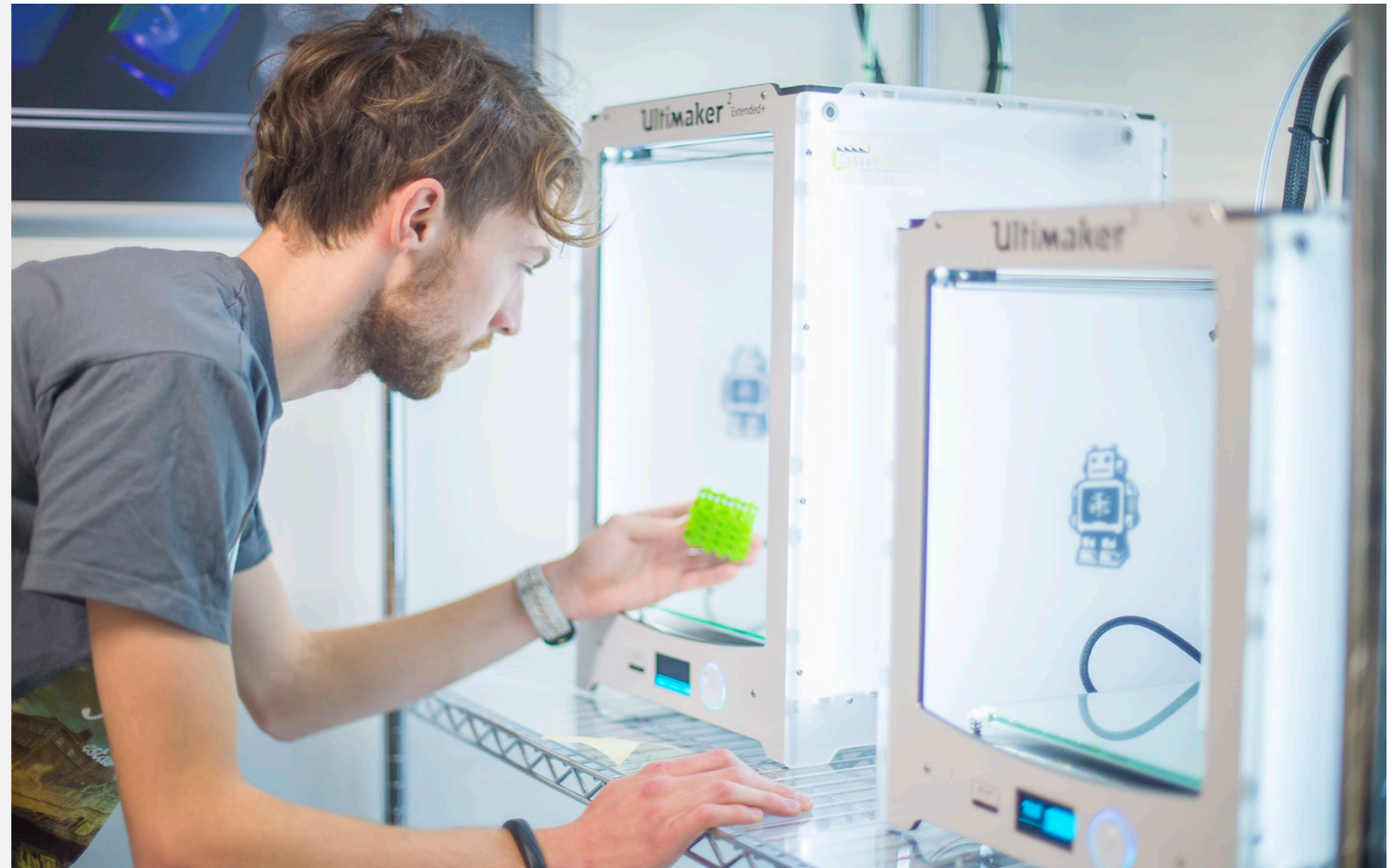
Research and Enterprise are very active and successful functions in the school, providing exciting collaborative opportunities for our students and researchers to connect with industry, charities, governments, and research councils.

Our thriving research community has a proven record for creative and scholarly outputs of international excellence and impact. The School's research strengths lie in Experience Design, Responsible Design, Design for Digital Fabrication, Safety, Human Factors, Graphic Design, Applied Storytelling and Sculpture & Heritage across Design and Art. Opportunities to develop research in these areas are supported by our academic experts and research teams. All teaching in the School is research-led and ensures that students' practice is underpinned by rigorous world-leading research.

Collaborations with industry are part of the School's enterprise initiatives strengthening connections with leading businesses and adding to the student experience. These relationships provide industry with unique opportunities to work with emerging talent and offers our students the chance to work and interact with business including placement and job opportunities, industry set briefs, industry visits and talks as well as enterprise awards, events, and competitions.

Our business-university collaborations ensure that we are at the forefront of industry development as well as harnessing key relationships to connect fresh talent and innovation with expertise and new opportunities.

"I wanted to choose a University with a reputable Design School, and Loughborough has a strong reputation for research, teaching and enterprise."





Ergonomics and Human Factors

MSc/Diploma/PG Certificate

Full-time length: 1 year

Part-time length: 2-3 years

Entry requirements

An honours degree (2:1 or above) or equivalent international qualification in various disciplines (design, engineering, psychology, computer science, sports science, management, medicine, nursing, etc.). For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: £11,400 International: £25,450

Our Ergonomics and Human Factors programme aims to develop your skills and competencies in analysing interactions among humans and other elements of a system and designing interactions that ensure a good fit between people, their actions, the objects they use and the environments they occupy.

Since its establishment in 1959 our programmes have been continuously innovated to respond to new complex challenges in healthcare, transportation, energy, military, sports performance, HCI, UX design and more.

The programmes are accredited and professionally recognised by the Chartered Institute of Ergonomics and Human Factors (CIEHF).

Modules

Compulsory modules: Cognitive, Physical and Systems Ergonomics; Data Collection and Analysis; Project Module [Dissertation].

Optional modules for a specialist stream: Human Factors for Inclusive Design; Human Factors in Transport; Human Factors and Community Care: Environmental Ergonomics; Interaction and User Experience Design; Inclusive Design of Products and Services; Transport Safety; Healthcare Ergonomics and Patient Safety; Patient Handling Ergonomics. The PG Certificate programme includes the specialist module from the optional modules.

How you will be assessed

Assessment may include individual reports, group evaluations, group presentations, open-book tests, class tests, critiques, coursework, a dissertation, and a viva.

How you will study

Each module is block taught over a one-week intensive period at Loughborough and you will complete assignments outside of this time. All materials and information are available through our online system.

Career prospects

Graduate roles include usability designer/engineer, user researcher, human factors/UX/risk consultant. Graduate destinations include Dyson, Philips, Jaguar Land Rover, government agencies and design/engineering/risk consultancies in various sectors (medical device, defence, rail, automobile, nuclear, oil and gas, etc.). Other graduates have gone on to pursue further research careers (PhDs).

“I chose Loughborough for its great reputation in Ergonomics and for the opportunity to be taught by some of the leading researchers in the field.”



Human Factors and Ergonomics for Patient Safety

PG Certificate

Full-time length: 1 year

Part-time length: 2 years

Entry requirements

An honours degree (2:1 or above) or equivalent international qualification in a relevant discipline or closely related subject. For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: £3,650 International: £7,833

Our PG Certificate Human Factors and Ergonomics for Patient Safety programme provides an insight into human factors, focusing on applying the systems approach to improving patient safety in the healthcare sector. It also concentrates on system analysis, patient safety incident investigation, and usability evaluation of medical device and equipment.

The programme examines how best to ensure a good fit between people, their actions, the objects they use and the environments which they occupy. You will apply theoretical principles, data and methods to ensure that design is optimised for human wellbeing and overall system performance.

This certificate is professionally recognised by the Chartered Institute of Ergonomics and Human Factors (CIEHF), which is affiliated with the International Ergonomics Association.

Modules

Modules studied include: Cognitive Ergonomics; Physical Ergonomics; Human Factors and Systems; Healthcare Ergonomics and Patient Safety.

How you will be assessed

Assessment may include individual reports, group evaluations, group presentations, open-book tests, class tests, critiques, coursework, a dissertation, and a viva.

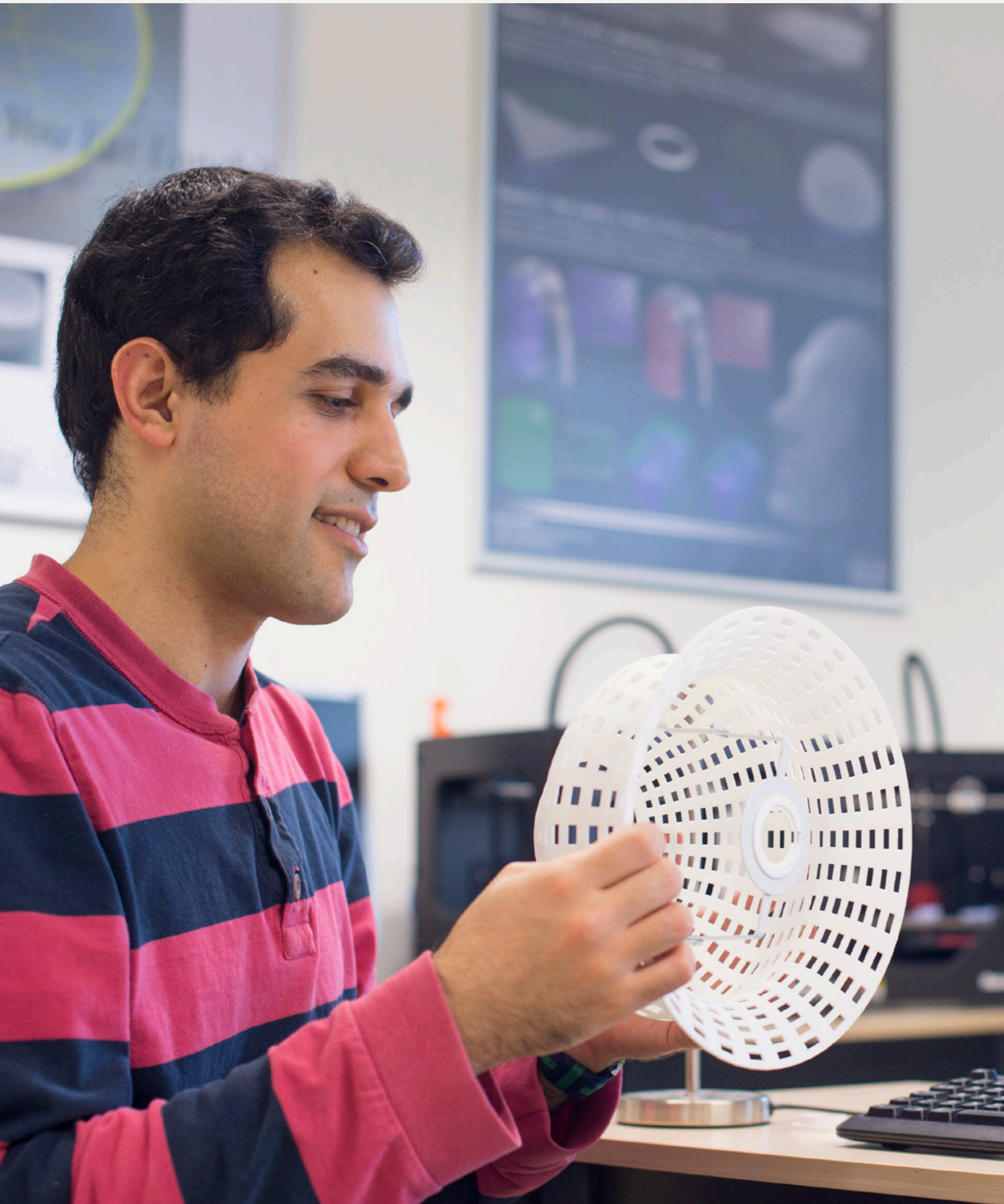
How you will study

Each module is block taught over a one-week intensive period at Loughborough. Outside of this time you will be expected to complete prepared programme materials and assignments. We will provide you with access to an interactive online system with additional materials and information, and the opportunity to remotely participate in tutorial-type discussions.

Career prospects

Successful completion of this programme will enable you to become a professional ergonomics human factors practitioner. Example jobs held by our recent graduates include: Head of Patient Safety, National Patient Safety Incident Investigator, Human Factors Specialist for Medical Device, Risk Manager, and Human Factors Consultant.

“I chose Loughborough for two reasons. One, for its great reputation, and the other, is that this course was taught under the umbrella of the Design School. I like the design-oriented approach of Ergonomics.”



Integrated Industrial Design

MSc

Full-time length: 1 year

Part-time length: Not available

Entry requirements

An honours degree (2:1 or above) or equivalent international qualification in a related subject, evidence of at least a foundation in technology engagement and a demonstrable knowledge of 3D CAD. A portfolio providing evidence of experiential learning and/ or practice, with clear evidence of physical prototyping capability, at an appropriate standard is required. For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: £11,400 International: £25,450

Our Integrated Industrial Design MSc will further develop your critical awareness of major industrial design practice, increasing your input capability and value to employers.

The programme encompasses the entire design process, starting from a design problem or opportunity and ending with a complete product that is fit for mass or batch production. It covers areas such as sketching, visual layouts, presentation techniques, qualitative and quantitative design research methods, enterprise and business, design for behaviour change, creating product design briefs, project management, advanced CAD application and design practice.

You will develop skills in producing a balanced portfolio of high-quality designs and innovative thinking, enabling you to deal with complex and interrelated issues, both analytically and creatively.

The programme also provides you with opportunities to participate in industry-supported projects.

Modules

Modules studied may include: Industrial Design and Technology Skills; Digital Fabrication; Advanced 3D CAD; Design Research Methods; Design for Behaviour Change; Business, Enterprise, and Design; Integrated Industrial Design Major Project.

How you will be assessed

You will be assessed by coursework, including the submission of design projects and reports, and group and individual presentations.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, practical sessions, supervision and workshops.

Career prospects

Possible careers include industrial designer, product designer, or as a user-centred multidisciplinary design team member (with design-maker and prototyping skills).

“The research culture within the institution is incredibly supportive and strongly promotes interdisciplinary exchange among researchers.”



Occupational Health and Safety Management

MSc

Full-time length: Not available

Part-time length: Up to 2 years

Entry requirements

A 2:2 honours degree (or equivalent international or professional level 6 qualification) with relevant professional experience in the occupational health and safety sector. For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: £11,400 International: £25,450

This programme is aimed at professional health and safety advisors and managerial, engineering, and scientific staff with responsibilities for occupational safety and health (OSH).

It allows students to advance their understanding of OSH management, moving this to a higher level. The programme provides the academic knowledge and skills to develop sophisticated OSH policies, strategies, and interventions, relevant to a variety of organisational contexts, against a backdrop of ever-changing regulatory, social and economic contexts.

Modules

Modules studied may include: Occupational health and safety law; risk management; human factors and safety; research skills and training; the management of physical hazards; occupational health and safety management; and data collection and analysis.

How you will be assessed

100% coursework, including the submission of projects, dissertations, and group/individual presentations.

How you will study

The majority of modules are delivered at the University, face-to-face, each taking place over a week. This arrangement promotes a fulfilling learning experience, giving the benefits of close interaction with student colleagues and acknowledged experts in the field.

Career prospects

The majority of our students are already working in OSH positions. Pursuing the MSc has been shown to increase further employability. Many graduates from the course have since gone on to occupy senior roles within a diverse range of industries.

“I gained great insights from my supervisors who had (and continue to have) a wealth of knowledge in the field, and I had many opportunities to travel to international conferences to present my work.”



User Experience and Service Design

MA

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements

An honours degree (2:1 or above) or equivalent international qualification. Most applicants have a design background, but we also welcome students from any other discipline relevant to user experience design, including but not limited to: psychology, computer science, engineering, marketing, architecture and business studies. All students from a design-related background should provide a portfolio showing examples of relevant work. For those who are not able to provide a portfolio, it is important that their personal statement explains their interest in user experience design and any relevant experience. For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: £11,400 International: £25,450

Our User Experience and Service Design MA aims to develop your critical awareness of significant issues in user experience design, service design and interaction design. The content of the programme enables you to build your skills and competencies in empathic, creative and analytical aspects of user experience design whilst working on a diverse range of projects.

You will develop critical skills in user experience design principles and practice, qualitative and quantitative design research methods, interactive screen-based prototyping, interaction design, usability testing, service and social design, team working and project management.

The MA has a more emphatic approach to human-centred design and takes a more systemic world view than the sister MSc programme. Although technologies may form solutions for providing great user experiences on this course, there is less emphasis on new and emerging technologies in the MA than there is in the MSc.

On the MA you will benefit from specialist eye-tracking and audio-visual equipment as well as state-of-the-art wearable cameras and our Mac lab with a wide range of design and UX software.

Modules

Modules studied may include: Experience Design; Usability: Principles and Practice; Design Research Methods; Design for Behaviour Change; Industry Project; Service Design for Social Innovation; User Experience Design Major Project.

How you will be assessed

You will be assessed by coursework, including the submission of design projects and reports, and group and individual presentations.

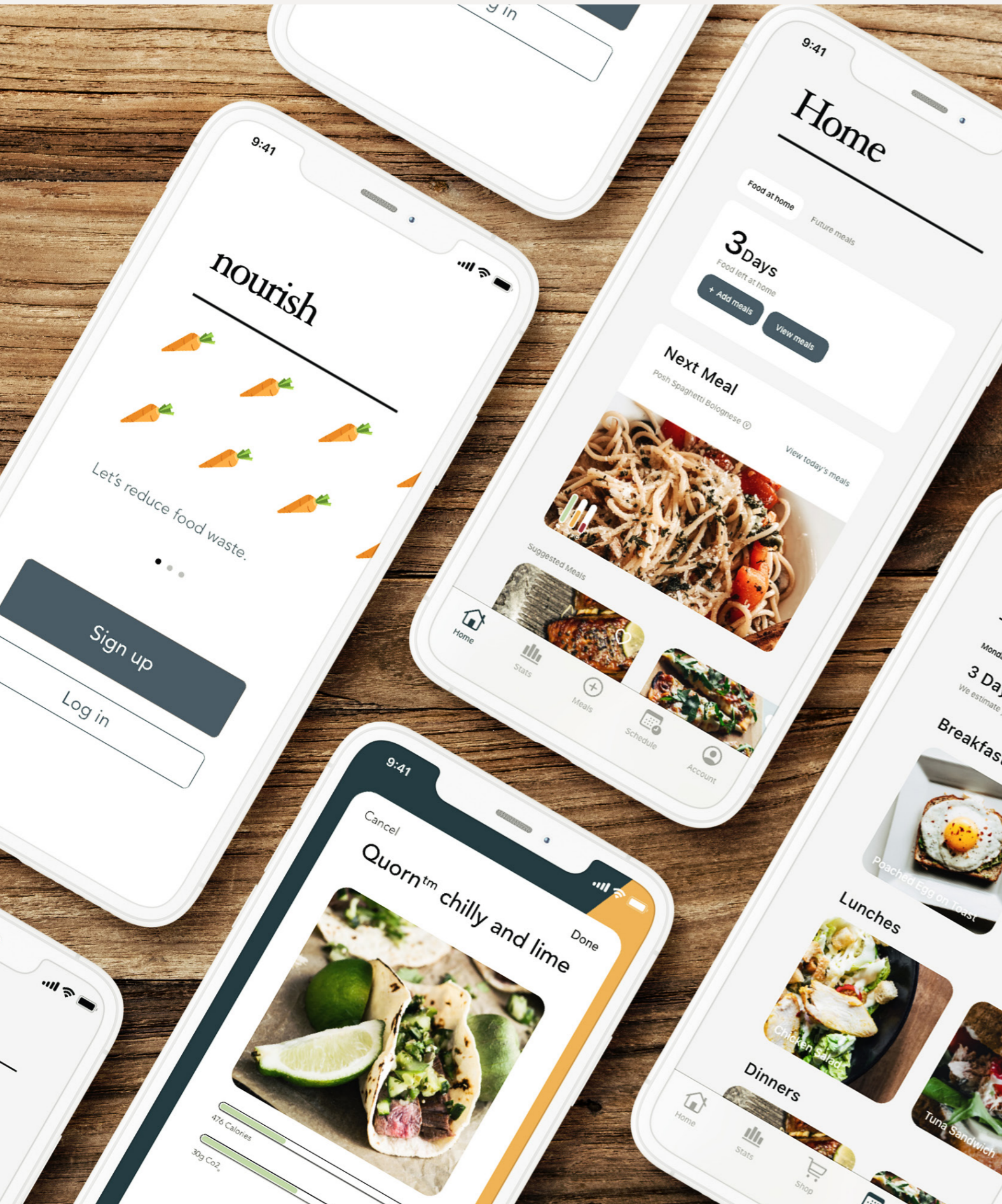
How you will study

You will study through a range of seminars, lectures, tutorials, independent study, practical sessions, supervision, and workshops.

Career prospects

Our UX graduates work as user experience designers and researchers, interaction designers and service designers. Graduate destinations include: IBM, Samsung, Next, Dyson, Tencent, Baidu and Ali Baba. Other graduates have gone on to pursue careers in research and some are currently completing PhDs.

"I feel this master's has provided me with the tools, creative process and mindset I need to pursue a career in User Experience."



User Experience Design

MSc

Full-time length: 1 year

Part-time length: Up to 4 years

Entry requirements

An honours degree (2:1 or above) or equivalent international qualification. Most applicants have a design background, but we welcome students from any discipline relevant to user experience design, including but not limited to: psychology, computer science, engineering, marketing, architecture, and business studies. All students from a design-related background should provide a portfolio showing examples of relevant work. For those who are not able to provide a portfolio, it is important that their personal statement explains their interest in user experience design and any relevant experience. All applicants must, however, demonstrate some form of quantitative data analysis and design with technology. For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: £11,400 International: £25,450

Our User Experience Design MSc combines UX's emotion-centred design with scientific research's technical mindset. You will develop your capabilities in user experience design methods, interaction design, usability, and technologies that can create tomorrow's great user experiences. The course content builds your creative, analytical skills and practical skills in user experience design while working on a diverse range of projects.

Our programme gives you the skills you need to succeed as a professional UX Designer. You will develop a broad range of practical and analytical skills. These skills focus on user experience design principles, qualitative and quantitative design research methods, interactive screen-based prototyping, interaction design, usability and accessibility evaluation, advanced technology prototyping, team working, and project management.

The User Experience design MSc is more technology-focused than the sister MA programme. You will study UX design's core principles and take modules centred on the technologies creating our future-life experiences. These modules will develop your knowledge, critical thinking, and practical prototyping skills.

You will have access to everything you need to develop technology-centred UX prototypes. Equipment includes Internet-of-Things prototyping kits, eye-tracking facilities, audio-visual equipment, state-of-the-art wearable cameras, and our computer labs with an extensive range of industry-standard UX and design research software.

Modules

Modules studied may include Experience Design; Usability: Principles and Practice; Design Research Methods; Design for Behaviour Change; Industry Project; UX Design for Advanced Technology; Experience Design for Digital Healthcare; Tangible Interaction Design; UX Design Research Major Project.

How you will be assessed

This MSc is 100% coursework-based, including design projects, reports, and group and individual presentations.

How you will study

You will study through a range of seminars, lectures, tutorials, independent study, practical sessions, supervision, and workshops.

Career prospects

Our UX graduates work as user experience designers and researchers, interaction designers and service designers. Graduate destinations include IBM, Samsung, Next, Dyson, Tencent, Baidu, and Ali Baba. Other graduates have pursued careers in research, or are completing PhDs.

"I enjoyed the huge variety of subjects that we covered and the diversity of people on the course – everybody came from a different background."

Research opportunities

PhD

Full-time: 3 years

Part-time: 6 years

Entry requirements

An honours degree or equivalent international qualification. For more details please see lboro.ac.uk/international-pg-entry

Fees: UK/EU: see website International: £24,100

The School's ethos is the use of design to make improvements to the world. Our academic staff are internationally renowned experts in their fields. They bring a diverse mix of specialisms and backgrounds to the School and can supervise PhDs or MPhils across all aspects of design.

Supporting you

We will provide you with everything you need to help ensure you have a great experience and are successful in your research. You will have the opportunity to become part of an exciting community of students, academic staff, and researchers. Each student will have two supervisors and we will also provide IT equipment, including state-of-the-art design and ergonomics software; regular research seminars and training courses; opportunities to support undergraduate teaching; special tutor sessions in your first year; networking and career-focused opportunities; and student-led initiatives to provide support throughout your studies.

How to apply

Projects that have funding attached (eg through research councils, university funding or industry sponsorship) are advertised on our online prospectus and do not require a research proposal. For self-funded projects or those funded by third-party sponsors, you will need to provide a two-page research proposal that summarises the background of your intended research, the objectives, proposed methods, and what you hope the outcomes of your research might be.

You should send this proposal to SDCA-PGR@lboro.ac.uk and discuss your topic with the School before applying.



Our areas of research

Our world-leading research is interdisciplinary, both within the School and across other academic disciplines at Loughborough. We welcome enquiries and applications from students whose research aligns with our strengths.

Safety

Our research addresses safety by exploring how people and technologies interact, within organisational and environmental contexts, affecting safety outcomes. Key areas include transport safety, including advanced vehicle systems and future mobility; healthcare and patient safety; and occupational safety.

Human Factors

The Loughborough Design School has extensive expertise in human factors and ergonomics, developing and applying knowledge and techniques to improve human interaction with products, equipment, environments, and systems. Particular areas of specialism are environmental ergonomics, vehicle design and human factors in complex systems.

Digital Fabrication

Our digital fabrication research examines how design practice, processes and tools can be optimised to maximise the advantages of the latest digital design and manufacturing technologies such as Computer-Aided Design, 3D Printing and Additive Manufacturing.

Experience Design

In the area of experience design, our research places the user at the centre of the design process to design innovative and meaningful products, environments and services, focussing on the quality and value of the user experience.

Responsible Design

Research in responsible design explores how design helps achieve society's sustainable development goals, addressing issues of sustainability, equity and wellbeing through sustainable design, inclusive design and social innovation. Our interests in this area encompass responsible design philosophy, theories, practices, processes, methods, tools and education.

For more information about our Centres for Doctoral Training (CDT), please see lboro.ac.uk/pg2020/cdt

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General enquiries

Design
Loughborough University
Leicestershire LE11 3TU UK

T: +44 (0)1509 222969
E: SDCA-PGT@lboro.ac.uk
SDCA-PGR@lboro.ac.uk

lboro.ac.uk/design-school

This brochure was written several months in advance of the academic year to which it applies (2021). Every effort has been made to ensure that the information contained within is accurate at the time of publishing, but updates (for example to course content) are likely to occur due to the time between publication and the course start date. It is therefore important to visit our online prospectus at www.lboro.ac.uk/study before applying to check for any updates, as this will be the most up-to-date repository of information.

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