

SUSTAINABLE PRODUCT DESIGN AT FALMOUTH

WELCOME TO BA(HONS) SUSTAINABLE PRODUCT DESIGN AT FALMOUTH.

You are joining a unique course within the School of Architecture, Design and Interior (SADI) that will challenge you to develop future design solutions that will shape the world we live in, for the better, for everyone.

Sustainable Product Design (SPD) is at the forefront of Sustainable Design thinking and practice both nationally and internationally and is the only course of its kind in the UK. SPD facilitates a unique educational experience that situates you at the heart of your learning, supported by a creative design studio environment, experienced staff, live industry briefs, expansive workshop facilities and industry-level digital manufacturing equipment.

Falmouth's innovative learning environment and modern curriculum will deliver the network, professional edge and industry insight to prepare you for employment.

Your offer

Please remember that if you have been made a conditional offer to study at Falmouth, your place is subject to meeting those conditions. Conditional means that we are waiting to receive your results, or some more information, before your place is finalised. You can see any conditions in [UCAS Track](#). If you have any questions or concerns, please contact our Admissions team on 01326 213730 or admissions@falmouth.ac.uk.

First week of term

Term begins on Monday 19 September 2016 at 9:30am. Please come to the Sustainable Product Design Studio, Falmouth Campus where staff will welcome you.

As a new student at Falmouth University we would also like to invite you to attend induction week which begins a week earlier on **Monday 12 September 2016** at **9.30am**. During induction week you will meet your tutors, technicians and fellow students, as well as being introduced to the wide range of learning facilities available to support your studies. There will be a range of activities to get you off to a good start including induction workshops, design projects and social events.

You can download a copy of the [Falmouth Campus map](#) from the Contact page of our website [here](#).

MyTimetable

<https://mytimetable.falmouth.ac.uk/> available from 1 September 2016

This is the link to MyTimetable, your online academic calendar which shows all scheduled learning activities and your course timetable. It will be available from 1 September 2016, however, timetables can be subject to change. To keep up to date, we recommend that you export the feed to your chosen device (mobile, tablet, laptop or desktop). An induction will be

offered on the use of MyTimetable during freshers' week. Students will have access to their individual student timetables, where appropriate, once they have completed their online enrolment and IT induction.

Pre-course preparation

Project

Essential

Please complete the following project before term starts, to get you expressing your creativity and design skills. The project is designed to be short and fun, with the emphasis on creative thinking and making.

Project title

Desert Island Objects

Context

Desert Island Discs was created by Roy Plomley in 1942, and the format is simple: a guest is invited to choose the eight records they would take with them to a desert island.

You are joining a talented and diverse group of designers, makers and creative thinkers on the Sustainable Product Design Course in Falmouth this September. You are all about to embark on a journey and are mentally and physically preparing to pack; selecting objects that are both useful in terms of function, but also objects with links to your other important lives, friends, family or places.

Objects are often embodied with, or develop, narrative through their lifetime, acting as vessels that communicate value systems, ideas and memories. Often we assign meaning to objects, raising their importance and elevating them in status beyond many more expensive items we purchase.

In the search for more durable objects it is important to investigate this relationship so we can better understand what objects people really need.

The Brief

Design and make an object that you would take to your desert island.

Design an A6 'holiday' postcard from your desert island.

Consider what is meant by the term 'desert island'; it could be culturally empty or it might be a future world where oil has run out, for example. Use the postcard format to illustrate and communicate your vision of this place, and design an object that you would want to have in this place. Consider the function of your object in the broadest sense and develop a reason why it would be important.

Post your object and postcards to the following address, for delivery by Wednesday 7 September 2016:

FAO Mr Drummond Masterton
Head of Sustainable Product Design

Falmouth University
Penryn Campus
Cornwall
TR10 9FE

You will have the opportunity to discuss your thinking for the project during the induction week, so please prepare a strong rationale for your design solution.

Aims

- To act as an introduction topic between you and your fellow students and tutors
- To communicate your personal interests in design through creative thinking and making

Presentation Format

- One finished Desert Island object, posted to the address above.
- A6 postcard, posted to the address above.
- Sketchbook to document design process including:
 - Inspirational images and research
 - Postal requirements (Check Royal Mail website www.royalmail.com)
 - Design development through a series of sketches

This project should cost you no more than £20 to complete, and could be much less, depending on the materials you choose and whether you have all the materials you need already.

Exhibitions

Optional

Our recent graduates will be showing at New Designers Part 2 show in London between 6 and 9 July. This is a great student exhibition which includes many design schools from around the UK. If you are able to attend, day tickets are £12 and available in advance from <http://www.newdesigners.com/>.

Reading

Optional

The following books offer a wide range of perspectives on the modern world of design and highlight creative thinking that we encourage on the course:

Dunne, A. & Raby, F., 2014. *Speculative everything: design, fiction, and social dreaming*. MIT Press. RRP £16.56.

Manzini, E. & Coad, R., 2015. *Design, when everybody designs: an introduction to design for social innovation (design thinking, design theory)*. MIT Press. RRP £15.88.

Thackara, J., 2015. *How to thrive in the next economy: designing tomorrow's world today*. Thames and Hudson. RRP £15.88.

McDonough, W. & Braungart, M., 2013. *The upcycle: beyond sustainability – designing for abundance*. North Point Press. RRP £29.46.

Tuition fees (per year)

2016-17 full-time UK/EU: £9,000

2016-17 full-time International: £15,000

During your course

Product Design is a discipline that develops professional level vocational skillsets. In order to learn and refine these you will be required to purchase specialist equipment, digital tools and pay for access to networking and industry events. These expenses are not insignificant, but will provide an excellent set of equipment and experiences that will support your three years of study with us, as well as your future career as a designer.

You may have many of the items listed already. Please refer to the information below and the equipment list before purchasing.

Materials and equipment list and costs

Essential

The equipment list enclosed details what we recommend as a starting point. Over your three years of study you will develop specific interests and can expand the tools as you require.

a) Toolbox and equipment list

All students are provided with a locker. We recommend that you bring a small (40mm) padlock on the first day to secure your locker. You will need to bring a toolbox for storing tools and drawing equipment. The lockers are 270mm wide, 570mm deep and 320mm high, so bear this in mind when purchasing a toolbox.

b) Personal Protective Equipment (PPE):

You will need to buy compulsory PPE items to ensure your safety and to use our workshops. Please ensure the items you purchase match the specifications listed below:

- Honeywell safety specs (W2004623), approximately £6.69.
- 3M 4255 vapour and particle respirator (W325111), approximately £27.08.
- Roebuck ear defenders (W1010897), approximately £6.11.
- Roebuck standard navy coat (medium-W320991), approximately £17.50.

c) Workshop toolkit

- Plastic tool box (167 by 312mm), approximately £3.
- 3 Metre metal tape measure, approximately £0.70.
- 3psc PZ and slotted screwdriver set, approximately £1.76.
- 1-10mm 10psc HSS drill set, approximately £20.
- Junior hacksaw, approximately £4.
- Combination Pliers, approximately £7.
- Mixed Grit sandpaper (pack 10), approximately £5.51.
- 99E Stanley knife and blades, approximately £12.

d) Drawing and model making

- A6 Notebook and A3 sketchbooks, approximately £14.49.
- A3 1mm Square graph paper pad, approximately £7.81.
- A3 layout pads and tracing paper, approximately £14.08.
- 12" Steel ruler, approximately £3.96.
- A3 Cutting mat, approximately £5.10.

- Swann-Morton scalpel and 10A blades (4packs), approximately £6.99.
- Adjustable set square, approximately £16.98.
- French curves, approximately £10.33.
- Graphite and colour pencils, fineliner pens (0.3 mm, 0.5 mm, 0.7mm), Letraset Tria markers (Tonal range of 3), approximately £23.50.
- UHU glue (20mltube), approximately £1.80.
- SprayMount (400ml), approximately £16.99.
- 3M Masking tape (25mm), approximately £1.55.
- Double sided tape (12mm), approximately £4.63.

e) Digital equipment

- Sony DSCW800 Digital Compact Camera or other suitable digital photography device such as smart phone for documenting your work and research, 5 megapixels or above. Approximately £59.99.
- 16GB USB 3 Flash drive, approximately £3.99.

f) Computing equipment

The course strongly recommends using a laptop. The 3D CAD software is designed for Windows operating platforms. The use of a dual boot OS is required if using an Apple laptop. Prices will vary depending upon personal preference, but budget at least £500 for the following specification:

- Operating System: Windows 8, or 10 64bit, or Apple OS X (Install Bootcamp and Windows OS).
- Processor: Core i5 or i7, 2.3GHZ or above.
- RAM: 8GB Minimum, 16GB recommended.
- Graphics: Dedicated graphics cards with 2GB RAM.
- Storage: 250 - 500 GB Storage capacity.
- Screen size: 13" to 15".

g) Software

Students on the course become proficient in the use of industry standard software including:

- Office 365, free through the university.
- Adobe Creative Cloud for Students, approximately £15.49 per month.
- Autodesk Product Design Suite, Fusion360, Inventor and Alias Design, all free on educational license agreement.

Reading list and costs

Essential

The following books offer a good introduction to some of the latest sustainable design thinking and practice and are key textbooks.

Fuad-Luke, A., 2009. *The eco-design handbook*. Thames & Hudson. RRP £14.86.

McDonough, W. & Braungart, M., 2009. *Cradle to cradle. Remaking the way we make things*. Vintage. RRP £8.99.

Julier, G., 2013. *The culture of design*. Sage Publishing Ltd. RRP £25.99.

Study trips and costs

Study trips provide a key cultural and creative enrichment opportunity to your educational experience and provide tangible examples of design in a professional context. Visits are planned to significant national and European design events that are amongst the largest and most vibrant of their kind. Local day visits help students to understand the environment, heritage and business landscapes that they study and design in. Payments are made in staged amounts using our online payment portal.

Essential

Local visits

A series of site visits to local design and production companies who hold expertise in boats, furniture, bicycles and engineering will provide opportunities for learning, networking, and exposure to design employment and fabrication opportunities. Also, visits to local museums and industrially significant locations in Cornwall will provide a contextual understanding of the county and its significance in the industrial world. To cover the costs of these trips, there will be two payments of £25 at the start of each semester.

Optional

An optional five-day study trip to the Milan Design Week in Italy is being organised for April 2017, and is anticipated to cost around £400. You will be involved in the planning and discussions about the itinerary of the trip. Regular staged payments will be arranged to help manage your finances. www.fuorisalone.it.

Please register with the following private Facebook groups to keep up to date, get to know your mentors and peers, ask questions and receive updates from your tutors:

<https://www.facebook.com/groups/sustainableproductdesignfalmouth16.19/>
www.facebook.com/groups/FalmouthSPD

Enrolment and Student Terms & Conditions

You will receive an email two weeks prior to the start of term with details of how to enrol online. All students must enrol online before the first day of term in order to be officially registered as a student of Falmouth University. If you plan to receive an undergraduate student loan, you must enrol to have your money released to you.

As part of your enrolment, you will be required to agree to and comply with the University's Student Terms & Conditions. These Terms & Conditions are important and we encourage you to read them carefully, prior to enrolling online. They can be found on our Regulations, Policies and Procedures web page under 'Student Terms & Conditions' [here](#).

During the coming weeks, you will be emailed important information for new students. If you will be away, please ask someone else to check your emails regularly and reply on your behalf.

We know that there's a lot to do to prepare before the start of your course. If you have any questions at all, please don't hesitate to call our Admissions team for advice on 01326 213730 or email admissions@falmouth.ac.uk.

If you would like to download and print a copy of this email, please go to www.falmouth.ac.uk/new-students/welcome-letters.

Finally, we wish you an enjoyable and creative time before the course starts and we look forward to seeing you in September.

Yours sincerely

Drummond Masterton

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