

## SUSTAINABLE PRODUCT DESIGN AT FALMOUTH

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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 challenges 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 modern design studios, 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, please contact Samantha Brown on 01326 213865 or [samantha.brown@falmouth.ac.uk](mailto:samantha.brown@falmouth.ac.uk)

### First week of term

The new academic year commences on **Monday 14 September 2015** at **9.30am**. Please come to the **Sustainable Product Design Studio, Design Centre, Penryn Campus** where staff will welcome you and provide information about the course and timetable for induction week.

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, social events and a study trip to the London Design Festival the following week.

### MyTimetable

<https://mytimetable.falmouth.ac.uk/> available from 1 September 2015

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 2015, 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.

### **Project**

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 ones with links to your other important lives, friends, family, 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 need.

**The Brief:**

Design and make an object that you would have on your desert island.

**Post your object to the following address for delivery by Wednesday 9 September 2015:**

FAO: D. Masterton  
Sustainable Product Design  
Falmouth University  
Penryn Campus  
Cornwall TR10 9EZ

You will get a chance to explain your thinking during the induction week, so please prepare a strong rationale for your design decisions.

**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
- Sketchbook to document design process including:
  - Inspirational images
  - Postal requirements (Check Royal Mail website [www.royalmail.com](http://www.royalmail.com))
  - Design development through a series of sketches

**Expenses**

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 help your three years of study with us and 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. Some payments for study trips are required before you arrive in September.

**Study trips**

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. The total cost of trips is dependent on destination, numbers and duration.

**Local visits – Various, Two payments of £25 at the start of each semester**

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. 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.

**National visit – London, £150**

We will be running a subsidised study visit to the London Design Festival for two days during the first week of term. The Festival was conceived by Sir John Sorrell and Ben Evans. Building on London's existing design activity, their concept was to create an annual event that would promote the city's creativity, drawing in the country's greatest thinkers, practitioners, retailers and educators to deliver an unmissable celebration of design. [www.londondesignfestival.com](http://www.londondesignfestival.com)

**Payment for the London visit is due by 20 August via the payment portal**

<http://paymentportal.falmouth.ac.uk/> The 'product' you need to pay for will be in the 'study trip' area of the portal, under the School of Architecture, Design and Interiors section. The trip is called BA Sustainable Product Design London Study Trip Sep 2015.

**European visit – Stockholm, approx. £400**

An optional week long study trip to the Stockholm Design Week in Sweden is being organised for February 2016. You will be involved in the planning and discussion of the trip when you arrive. Regular staged payments will be arranged to help manage your finances. [www.stockholmdesignweek.com/](http://www.stockholmdesignweek.com/)

**Toolbox and equipment list**

You will need to bring a toolbox for storing tools and drawing equipment. Please see the equipment list below for the internal dimensions of your lockers to ensure your toolbox will fit. We recommend that you bring a small (40mm) padlock on the first day to secure your locker.

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. Suppliers such as HS Walsh, B&Q, Buck and Hickman and London Graphics Centre stock the listed kit.

All students are provided with an under-desk locker. Please bring your own padlock. The lockers are 270mm wide, 570mm deep and 320mm high.

**Personal Protective Equipment (PPE): £46**

You will need to buy compulsory PPE kit to ensure your safety and to use our workshops. This kit needs to include a mask, ear defenders, safety glasses and a work

coat. You can either purchase the approved items from us or supply them yourself; however they must meet the specifications listed in the equipment list.

- BSI Approved safety goggles
- 3M 4279 FP3 respirator mask
- 30 Db. attenuation ear defenders
- Workshop coat or overalls (not available from Falmouth)

### **Workshop toolkit**

- Plastic tool box to fit locker dimensions above
- 5 Metre metal tape measure
- Engineers set square 3" or 4"
- Combination set square
- Vernier gauge 100 or 150mm length (digital or manual)
- Metal scribe
- Centre punch (standard or automatic)
- 16oz Claw hammer
- Screwdrivers (PZ drive and slotted drivers)
- High speed steel HSS drill set (Jobber drill 1 – 10mm in 1/2mm increments)
- Junior hacksaw (frame and blades)
- Pliers (combination, long nose side cutters)
- Wire cutters (diagonal cutting 6")
- Files (set of engineers second cut and needle files)
- Selection of coarse and fine half round rasps for working foam and soft materials (wood)
- Selection of emery grit paper (180 – 1000 grade)
- 99E Stanley knife and blades

### **Drawing and model making**

- A6 Notebook and A3 sketchbooks
- A3 1mm Square graph paper pad
- A3 layout pads and tracing paper
- 12" Steel ruler
- A3 Cutting mat
- Swann-Morton scalpel and blades (10A and 11 series) and 100mm scissors
- Adjustable set square and French curves
- Graphite and colour pencils, fineliner pens (0.3 mm, 0.5 mm, 0.7mm), magic markers (Tonal ranges)
- UHU glue and SprayMount
- 3M Masking tape and double sided tape

### **Digital equipment**

- HD Digital camera, I-pad, smart phone or similar (for documenting your work and research)
- PC or MAC laptop (see recommended specification below)
- Digital drawing tablet such as Wacom Bamboo (Optional)
- 8-16GB USB portable memory stick

### **Computing**

The course strongly recommends using a laptop, PC or MacBook Pro, all popular choices. The 3D CAD software is designed for Windows operating platforms. The use of a dual boot OS is required if using an Apple Laptop.

We also recommend having a 16GB USB storage device and a digital camera or smartphone for documenting work and inspirational material.

- Operating System: Windows 7 or 8 64bit or Apple OS X (Install Bootcamp and Windows OS)
- Processor: Core i5 or i7 above 2.5GHZ
- RAM: 8GB Minimum, 16GB recommended
- Graphics: Dedicated graphics cards with 2GB RAM
- Storage: 256Gb to 500Gb Storage capacity
- Screen size: 13" to 15"

### **Software**

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

- Microsoft Office, Word and Excel
- Adobe Creative Suite, Photoshop and InDesign
- Autodesk Product Design Suite, Fusion360, Inventor and Alias Design.

You can receive subsidised prices for Microsoft OS and products via <http://onthehub.com/> We recommend researching Adobe Cloud licensing for students. The course can provide you with free access to all Autodesk software.

### **Reading list**

The following books offer a good introduction to some of the latest sustainable design thinking and practice. If you read one book before you arrive try 'The Upcycle'.

Fuad-Luke, A., 2009. *The eco-design handbook*. 3<sup>rd</sup> ed. Thames & Hudson.

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

During the coming weeks you will be emailed and messaged on Facebook about important information including links to provide payment for study trips and PPE. If you will be away, please ask someone else to check your emails regularly and reply on your behalf.

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:

[www.facebook.com/groups/sustainableproductdesignfalmouth15.18](https://www.facebook.com/groups/sustainableproductdesignfalmouth15.18)

[www.facebook.com/groups/FalmouthSPD](https://www.facebook.com/groups/FalmouthSPD)

If you have any queries please do not hesitate to contact us. In the meantime, have a good couple of months and we look forward to you joining us in September.

Yours sincerely

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