

Module Code: BATD05I	Development of 3D Construction
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Level:	5
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Credit Value:	15
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Pre-Requisites:	None
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Module Description

This module aims to encourage the student to direct the development of a more focussed and creative skill base in selected 3D construction and fabrication techniques. Students will negotiate with their tutor a programme of specific practical investigation of material and technique in order to raise their skills and creative abilities. Students will select one or a combination of wood, metal, and plastics to work within.

Learning Outcomes

On successful completion of this module students will be able to:

1. Investigate and develop creative approaches to 3D construction.
2. Apply the appropriate health and safety procedures.
3. Produce specific material investigations.
4. Demonstrate personal enquiry and relevant design/craft contextualisation.
5. Evidence awareness of contemporary precedents.

Indicative Content

- Negotiated personal investigation of a single or combination of material and technique.
- The development of an action plan to specify personal intentions and task management.
- The pursuit of appropriate health and safety procedures.
- An investigation of contemporary 3.D. practitioners.
- Personal practical research into materials and processes.
- Applications of personal methodology.
- Focused practical material and technique engagement.
- Creative solutions to practical construction problems.
- A study of form and purpose in 3.D. constructs.
- Exploration of creative and relevant presentation formats and techniques.
- An objective and critical evaluation of the 3.D. products and reference material.

Learning & Teaching Strategies

Workshop demonstrations Practical engagement. Seminars and tutorials.

Assessment

20% Written and illustrated file:

- Documenting negotiated personal investigation, with an action plan and appropriate health and safety procedures. Also evidencing an investigation of contemporary practitioners.

80% material outcomes.

A critical appraisal of a display of three dimensional works showing :

- Personal practical research into materials and processes.
- Applications of personal methodology.
- Focused material engagement.
- Creative solutions.
- Form and purpose.
- Visual presentation.

Specific Learning Resources

Specialist workshops, tools and equipment necessary for the fabrication of 3D Constructions in wood, metal and plastics.

Bibliography

Highly Recommended

Greenslaugh, Paul. 2003 **The Persistence of Craft**. A & C Black Publishers Ltd

Dormer, Peter, 1994 **The Art of the Maker: Skill and Its Meaning in Art, Craft and Design** Thames and Hudson

Recommended

Pye, David. 1998 **The Nature and Art Workmanship**. Cambridge Univ. Press

Britten, Alison & Swift, Katherine. 2003. **Jim Partridge**. Lund Humphries

Loyen, Frances. 1980 **Manual of Silversmithing** ,Thames and Hudson manuals

Frith, Donald E, 2003 **Mold Making for Ceramics**, KP Books

Krenov, James, 2000 **A Cabinetmaker's Notebook**, Linden Publishing Co Inc

Lefteri, Chris, 2008 **The Plastics Handbook**, Rotovision

Background Reading

Brooks, N., 2005. **Mouldmaking and Casting: A Technical Manual**.

Ramsbury: The Crowood Press Ltd

Cain, T., 1993. **Drills, Taps and Dies** (Workshop Practice). London: Special Interest Model Books

Dormer, Peter. 1985. **The New Jewellery, trends and traditions**. T & H

Dormer, Peter. 1986. **The New Ceramics, trends and traditions**. T & H

Fox, R., 2001. **Mastering the Router: A Complete Course**. Lewes: Guild of Master Craftsman Publications Ltd

Makepeace, J., 1980. **The Woodwork Book**. Macmillan

Oldridge, L., 1998. **Basic Benchwork** (Workshop Practice). Great Britain: Special Interest Model Books

Seitz, W. C. & Finegold, R., 1982. **Silversmithing** (Jewelry Crafts). Radnor, Pa.: KP Books

Vause, W. A., 2002. **The Art of Welding** (Workshop Practice Ser., No. 7). Special Interest Model Books Ltd.

Wakeford, R. E., 1999. **Sheet Metal Work - Workshop Practice Series No. 8**. Nexus Special Interests

Weiss, A., 1999. **Workshop Materials** (Workshop Practice). Swanley: Special Interest Model Books

Terragni, Emilia. 2002. **Spoon**. Phaidon Press Ltd.

Useful Websites

www.craftscouncil.org.uk; www.photostore.org.uk; designinsite.dk/

Useful Magazines - Crafts; Ceramic Review