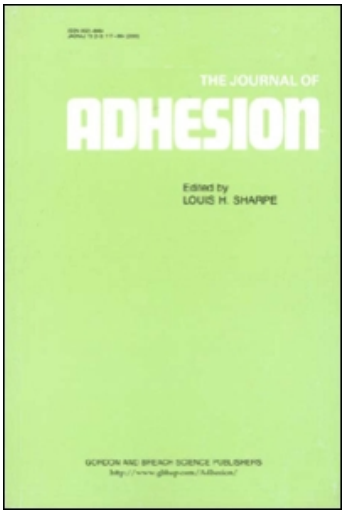

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Introduction to Composite Materials Science

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Introduction to Composite Materials Science

Short Course 13 – 17 September 2000

University of Surrey
Guildford, Surrey, UK

AIMS

The course aims to provide a comprehensive introduction to the science and technology of engineering composite materials.

LEARNING OUTCOMES

Students will develop an understanding of the relationship between the constituents of a range of composite materials and composite properties. Students will be aware of important design considerations, processing technologies and test methods, leading to an understanding of the relationship between composite design, fabrication and performance.

COURSE CONTENT

This is a 5-day intensive residential short course covering the essential concepts and practices of Composite Materials. The course is designed for those with no previous formal introduction to the science of composites and no prior knowledge or experience is assumed. All topics will be introduced from first principles and the emphasis will be on developing an understanding of concepts rather than a detailed review of current practice. The lectures will be concentrated in the first three days and the final two days will be devoted to exercise and laboratory classes.

Introduction to Composite Materials Science is part of the Advanced Materials Technology Programme: a range of eighteen short courses which may be taken individually or from which seven

may be selected and linked together to form a modular M.Sc. Degree Course.

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