COMPOSITES CURRICULUM - Unit Information This unit forms part of the Masters level Composites Curriculum developed by Bristol and Plymouth Universities.

Taught block title	Performance A
Unit title	Mechanical properties and testing - dynamic and fatigue
Level (Credit points)	H (2)
Unit director	
Unit description	
properties and testing - anisotropic	11. Low and high velocity impact
 Fatigue damage developm Monitoring fatigue damage Fatigue testing (tension, confully reversed, shear) Fatigue data representation Factors affecting fatigue performance an fatigue loads Delamination growth under Design for fatigue 	enttoleranceampression,13. Impact damage developmentampression,14. Factors affecting impact performance15. Impact test methods and residual properties evaluationan9. Formancean16. Performance under high rate dynamic loading17. High rate equipment and testing methods
Statement of unit aims The aims of this unit are to:	
composites 2. Identify the advantages an conditions	nderstanding of the fatigue and dynamic performance of d limitations of these materials under fatigue and dynamic loading of the testing methodologies for quantifying the performance of
Statement of learning outcomes	
Learners will be able to:	
2. Understand some of the is dynamic loading conditions	edures for using experimental data in the design against fatigue
Methods of teaching 7	lectures, 2 lab classes and demonstrations, 1 class exercise
Assessment details if required V	Vritten assignment (85%), 20 minute assessed presentation (15%)

Timetable information	2 days of teaching in a block
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