

Module Specification

Module Summary Information

1	Module Title	Specialist Horological Skills
2	Module Credits	40
3	Module Level	4
4	Module Code	HOR4012

5	Module Overview
<p>The purpose of this employability driven module is to develop professional attributes, and subject related skills. You will develop the practical and professional skills which you will need in your future employment. Course content will be delivered at Practice-led, knowledge-applied teaching sessions, with emphasis on the link between theory practice.</p> <p>The subject of horology makes no differentiation between clocks and watches, a well-rounded practitioner should have a solid grasp of both, and both are given equal emphasis on this module. Theory lectures which study the basic components and concepts of clocks and watches are supported by the physical study of the operation of “live” horological mechanisms where possible, and the servicing techniques required by industry.</p> <p>You are required to supplement the lectures with self-directed study and research. Some topics require a grasp of Physics and Mathematics including trigonometry and geometry, help will be provided at tutorials for the students who struggle with these topics. Extra support, is also available from the Centre for Academic Success: www.bcu.ac.uk/student-info/why-study-at-bcu/learning-support/academic-skills</p> <p>Students encouraged to engage with BCU Graduate+ scheme throughout this module.</p>	

6	Indicative Content
<ul style="list-style-type: none"> • How horological mechanisms work: Main Component Parts • Clock: Motion work and friction clutches. • Watch: Motion work and friction clutches • Power (Motive Force) • Winding mechanisms Clock and watch • Torque, trains, Friction and loss. • Principles of lubrication • Centre seconds and shock settings • ESCAPEMENTS and OSCILLATORS 1- 4 • Watch safety action? • Practical <u>servicing</u> watches and clocks 1 – 12 	

7	Module Learning Outcomes	
	On successful completion of the module, students will be able to:	
	1	To evidence horological knowledge.
	2	To apply horological competencies.

8	Module Assessment		
Learning Outcome			
	Coursework	Exam	In-Person
1	x		
2	x		

9	Breakdown Learning and Teaching Activities	
Learning Activities		Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable		144
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE		176
Private Study (PS) includes preparation for exams		80
Total Study Hours:		400