

### HERA Welding Supervisor e-Course Timetable June/July 2022

Date	Day	Time	Title
<b>Week 1</b>			
27/06/2022	Mon	10am-11am	Course Introduction, Role of the welding supervisor
27/06/2022	Mon	11am-12pm	Manual Metal Arc Welding MMAW
28/06/2022	Tues	10am-11am	GMAW
28/06/2022	Tues	11am-12pm	FCAW
29/06/2022	Wed	10am-11am	AS/NZS Standards, Introduction to quality assurance in welded constructions
29/06/2022	Wed	11am-12pm	Introduction to quality assurance in welded constructions - ISO 3834
30/06/2022	Thurs	10am-11am	Manufacture and designation of steels
30/06/2022	Thurs	11am-12pm	Testing materials and the weld joint
1/07/2022	Friday	10am-11pm	Weldability of carbon manganese steels
1/07/2022	Friday	11am-12pm	Weldability of carbon-manganese steels - Cracking phenomena
1/07/2022	Friday	12-12.30pm	Q&A Week 1 Sessions
<b>Week 2</b>			
4/07/2022	Mon	10am-11am	GTAW
4/07/2022	Mon	11am-12pm	SAW, Arc stud
5/07/2022	Tues	10am-11am	Weld joints, positions, weld symbols
5/07/2022	Tues	11am-12pm	Cutting and gouging
6/07/2022	Wed	10am-11am	Preheat and heat treatment
6/07/2022	Wed	11am-12pm	Behaviour of welded structures under different types of loading
7/07/2022	Thurs	10am-11am	Design of welded structures with predominantly static loading
7/07/2022	Thurs	11am-12pm	Design of welded structures with predominantly dynamic (fatigue) loading
8/07/2022	Friday	10am-11am	AS/NZS 1554.1; PQR, WPS Exercise 1
8/07/2022	Friday	11am-12pm	AS/NZS 1554.1; PQR, WPS Exercise 1
8/07/2022	Friday	12-12.30pm	Q&A Week 2 Sessions
<b>Week 3</b>			
11/07/2022	Mon	10am-11am	Welding of stainless steels and dissimilar metals
11/07/2022	Mon	11am-12pm	AS/NZS 5131; Fabrication requirements
12/07/2022	Tues	10am-11am	Rebar
12/07/2022	Tues	11am-12pm	Design of aluminium structures, welding aluminium
13/07/2022	Wed	10am-11am	Residual stress and distortion
13/07/2022	Wed	11am-12pm	Oxy-gas welding, flame shrinking
14/07/2022	Thurs	10am-11am	QC Qualification of welders
14/07/2022	Thurs	11am-12pm	Costing
15/07/2022	Friday	10am-11am	AS/NZS 1554.1; PQR, WPS Exercise 2
15/07/2022	Friday	11am-12pm	AS/NZS 1554.1; PQR, WPS Exercise 2
15/07/2022	Friday	12-12.30pm	Q&A Week 3 Sessions
<b>Week 4</b>			
18/07/2022	Mon	10am-11am	Weld defects
18/07/2022	Mon	11am-12pm	Inspection methods
19/07/2022	Tues	10am-11am	Inspection methods
19/07/2022	Tues	11am-12pm	Weld imperfections acceptance levels to AS/NZS 1554
20/07/2022	Wed	10am-11am	AS/NZS 1554.1; PQR, WPS Exercise 3
20/07/2022	Wed	11am-12pm	AS/NZS 1554.1; PQR, WPS Exercise 3
21/07/2022	Thurs	10am-11am	Welding Safety
21/07/2022	Thurs	11am-12pm	Q&A Week 3 Sessions
22/07/2022	Friday	10am - 12pm	Revision Paper A live MS Teams session
22/07/2022	Friday	12.30 - 2:30pm	Revision Paper B live MS Teams session
29/07/2022	Friday	9am-12pm	Paper A: Welding theory and technology 3 hours
29/07/2022	Friday	1pm-3pm	Paper B: Application of standards 2 hours