

Πρόγραμμα IWE | EWE / Wedling Greek Institute

<i>Date</i>	<i>Hours</i>			<i>Training Hours</i>
Friday, October 16, 2026	17.00-21.00	2.1	Structure and properties of metals	4
Saturday, October 17, 2026	09.00-18.00	2.2	Phase Diagrams and Alloys	4
		2.3	Iron – carbon alloys	5
Sunday, October 18, 2026	09.00-17.00	2.4	Manufacture and classification of steels	4
		2.5	Behaviour of structural steels in fusion welding	4
Friday, October 23, 2026	17.00-21.00	2.6	Cracking phenomena in welded joints	4
Saturday, October 24, 2026	09.00-18.00	2.6	Cracking phenomena in welded joints	4
		2.7	Fractures and different kinds of fractures	4
		2.8	Heat treatment of base materials and welded joints	1
Sunday, October 25, 2026	09.00-18.00	2.8	Heat treatment of base materials and welded joints	3
		2.9	Structural (unalloyed) steels	4
		2.10	High strength steels	2
Friday, October 30, 2026	17.00-21.00			
Saturday, October 31, 2026	09.00-17.00			
Sunday, November 1, 2026	09.00-17.00			
Friday, November 6, 2026	17.00-21.00	2.10	High strength steels	4
Saturday, November 7, 2026	09.00-18.00	2.10	High strength steels	4
		2.11	Application of structural and high strength steels	2
		2.12	Creep and creep resistant steels	3
Sunday, November 8, 2026	09.00-18.00	2.12	Creep and creep resistant steels	1
		2.13	Steels for cryogenic applications	4
		2.14	Introduction to corrosion	4
Friday, November 13, 2026	17.00-21.00			
Saturday, November 14, 2026	09.00-17.00			
Sunday, November 15, 2026	09.00-17.00			
Friday, November 20, 2026	17.00-21.00	2.15	Stainless and heat resistant steels	4
Saturday, November 21, 2026	09.00-18.00	2.15	Stainless and heat resistant steels	8
		2.16	Introduction to wear and protective layers	1
Sunday, November 22, 2026	09.00-18.00	2.16	Introduction to wear and protective layers	4
		2.17	Cast irons and steels	2
		2.18	Copper and copper alloys	2
		2.19	Nickel and nickel alloys	1
Friday, November 27, 2026	17.00-21.00			
Saturday, November 28, 2026	09.00-17.00			
Sunday, November 29, 2026	09.00-17.00			
Friday, December 4, 2026	17.00-21.00	2.19	Nickel and nickel alloys	1
Saturday, December 5, 2026	09.00-19.00	2.20	Aluminium and aluminium alloys	3
		2.20	Aluminium and aluminium alloys	3
		2.21	Titanium and other metals and alloys	3
		2.22	Joining dissimilar materials	4
		2.23	Destructive testing of materials and welded joints	8
Sunday, December 6, 2026	09.00-17.00	2.23	Destructive testing of materials and welded joints	8
Friday, December 11, 2026	17.00-21.00			
Saturday, December 12, 2026	09.00-18.00	2.23	Destructive testing of materials and welded joints	6
Sunday, December 13, 2026	09.00-17.00		DEMO PREPARATION	
Friday, December 18, 2026	17.00-21.00			
Saturday, December 19, 2026	09.00-18.00			
Sunday, December 20, 2026	09.00-17.00			
Friday, December 25, 2026	17.00-21.00			

Saturday, December 26, 2026	09.00-17.00			
Sunday, December 27, 2026	09.00-17.00			
Friday, January 1, 2027	17.00-21.00			
Saturday, January 2, 2027	09.00-17.00			
Sunday, January 3, 2027	09.00-17.00			
Friday, January 8, 2027	17.00-21.00			
Saturday, January 9, 2027	9.00-11.00		Written Exams Module 2	
Sunday, January 10, 2027	09.00-17.00			
Friday, January 15, 2027	17.00-21.00	1.1	General introduction to welding technology	3
		1.2	Oxy-gas Welding and related processes	1
Saturday, January 16, 2027	09.00-17.00	1.2	Oxy-gas Welding and related processes	1
		1.3	Electrotechnics	1
		1.4	The arc	3
		1.5	Power sources for arc welding	3
		1.5	Power sources for arc welding	1
Sunday, January 17, 2027	09.00-17.00	1.6	Introduction to gas shielded arc welding	2
		1.7	TIG Welding	5
Friday, January 22, 2027	17.00-21.00			
Saturday, January 23, 2027	09.00-17.00			
Sunday, January 24, 2027	09.00-17.00			
Friday, January 29, 2027	17.00-21.00	1.8.1	MIG/MAG	4
Saturday, January 30, 2027	09.00-17.00	1.8.1	MIG/MAG	4
		1.8.2	Flux Cored Arc Welding	2
		1.9	MMA Welding	2
Sunday, January 31, 2027	09.00-17.00	1.9	MMA Welding	4
		1.10	Submerged-Arc Welding	4
Friday, February 5, 2027	17.00-21.00			
Saturday, February 6, 2027	09.00-17.00			
Sunday, February 7, 2027	09.00-17.00			
Friday, February 12, 2027	17.00-21.00	1.10	Submerged-Arc Welding	2
		1.11	Resistance Welding	2
Saturday, February 13, 2027	09.00-17.00	1.11	Resistance Welding	2
		1.12.1	Laser; Electron Beam; Plasma	6
Sunday, February 14, 2027	09.00-17.00	1.12.1	Laser; Electron Beam; Plasma	2
		1.12.2	Other Welding Processes,	6
Friday, February 19, 2027	17.00-21.00			
Saturday, February 20, 2027	09.00-17.00			
Sunday, February 21, 2027	09.00-17.00			
Friday, February 26, 2027	17.00-21.00	1.13	Cutting, Drilling and other edge preparation processes	4
Saturday, February 27, 2027	09.00-17.00	1.14	Surfacing and Spraying	2
		1.15	Fully mechanised processes and robotics	6
Sunday, February 28, 2027	09.00-17.00	1.15	Fully mechanised processes and robotics	2
		1.16	Brazing and soldering	4
		1.17	Joining processes for plastics	2
Friday, March 5, 2027	17.00-21.00	1.17	Joining processes for plastics	2
		1.18	Joining processes for ceramics and composites	1
Saturday, March 6, 2027	09.00-17.00	1.19	Welding laboratory	8
Sunday, March 7, 2027	09.00-17.00	1.19	Welding laboratory	2
			DEMO PREPARATION	6
Monday, March 8, 2027	09.00-17.00	Practice	Oxygas welding and cutting	6
		Practice	Plasma cutting	2
Tuesday, March 9, 2027	09.00-17.00	Practice	MMA Welding	8
Wednesday, March 10, 2027	09.00-17.00	Practice	TIG	8
Thursday, March 11, 2027	09.00-17.00	Practice	MIG/MAG + Flux Cored Arc Welding	8

Friday, March 12, 2027	09.00-17.00	Practice	MIG/MAG + Flux Cored Arc Welding	8
Saturday, March 13, 2027				
Sunday, March 14, 2027				
Monday, March 15, 2027				
Tuesday, March 16, 2027	09.00-19.00	Practice	Gouging, Brazing, Plasma welding, Submerged-arc welding	10
Wednesday, March 17, 2027	09.00-19.00	Practice	Resistance welding, Friction welding, Electron beam welding, Laser welding, Other processes	10
Friday, March 19, 2027	17.00-21.00			
Saturday, March 20, 2027	09.00-17.00			
Sunday, March 21, 2027	09.00-17.00			
Friday, March 26, 2027	17.00-21.00			
Saturday, March 27, 2027	09.00-17.00		Written exams Module 1	
Wednesday, April 28, 2027	09.00-17.00			
Friday, April 2, 2027	17.00-21.00	3.1	Basic theory of structural steels	4
Saturday, April 3, 2027	09.00-19.00	3.2	Fundamentals of the strengt of materials	6
		3.3	Joint Design for welding and brazing	4
Sunday, April 4, 2027	09.00-17.00	3.4	Basics of Weld Design	6
		3.5	Behaviour of Welded Structrues Under Different Types of Loading	3
Friday, April 9, 2027	17.00-21.00			
Saturday, April 10, 2027	09.00-17.00			
Sunday, April 11, 2027	09.00-17.00			
Friday, April 16, 2027	17.00-21.00	3.5	Behaviour of Welded Structrues Under Different Types of Loading	1
		3.6	Design of Welded Structures with Predominantly Static Loading	3
Saturday, April 17, 2027	09.00-19.00	3.6	Design of Welded Structures with Predominantly Static Loading	5
		3.7	Behaviour of Welded Structures Under Cyclic Loading	3
Sunday, April 18, 2027	09.00-18.00	3.7	Behaviour of Welded Structures Under Cyclic Loading	5
		3.8	Design of Cyclic Loaded Welded Structures	3
Friday, April 23, 2027	17.00-21.00	3.8	Design of Cyclic Loaded Welded Structures	4
Saturday, April 24, 2027	09.00-17.00	3.8	Design of Cyclic Loaded Welded Structures	1
		3.9	Design of Welded Pressure Equipment	6
Sunday, April 25, 2027	09.00-17.00	3.10	Design of Aluminium Alloys Structures	1
		3.10	Design of Aluminium Alloys Structures	3
		3.11	Introduction to Fracture Mechanics	4
Friday, April 30, 2027	17.00-21.00			
Saturday, May 1, 2027	09.00-17.00			
Monday, May 3, 2027	09.00-17.00			
Friday, May 7, 2027	17.00-21.00			
Saturday, May 8, 2027	9.00-11.00		Written Exams Module 3	
Sunday, May 9, 2027	09.00-16.00			
Friday, May 14, 2027	17.00-21.00	4.1	Introduction to Quality Assurance in Welded Fabrication	4
Saturday, May 15, 2027	09.00-18.00	4.1	Introduction to Quality Assurance in Welded Fabrication	4
		4.2	Quality Control During Manufacture	5
Sunday, May 16, 2027	09.00-18.00	4.2	Quality Control During Manufacture	9
Friday, May 21, 2027	17.00-21.00	4.2	Quality Control During Manufacture	2
		4.3	Residual Stresses & Distortion	2
Saturday, May 22, 2027	09.00-17.00	4.3	Residual Stresses & Distortion	4
		4.4	Plant Facilities, Welding Jigs and Fixtures	4
Sunday, May 23, 2027	09.00-17.00	4.5	Health & Safety	4

Sunday, May 28, 2027	09.00-17.00	4.6	Measurement, Control and Recording in Welding	4
Friday, May 28, 2027	17.00-21.00			
Saturday, May 29, 2027	09.00-17.00			
Sunday, May 30, 2027	09.00-17.00			
Friday, June 4, 2027	17.00-21.00	4.7	Imperfections and acceptance criteria	4
Saturday, June 5, 2027	09.00-18.00	4.8	4.8 Non Destructive Testing	9
Sunday, June 6, 2027	09.00-18.00	4.8	4.8 Non Destructive Testing	9
Friday, June 11, 2027	17.00-21.00	4.9	Economics and Productivity	4
Saturday, June 12, 2027	09.00-17.00	4.9	Economics and Productivity	4
		4.10	Repair Welding	2
		4.11	Reinforcing-steel welded joints	2
Sunday, June 13, 2027	09.00-19.00	4.12	Case Studies	10
Friday, June 18, 2027				
Saturday, June 19, 2027				
Sunday, June 20, 2027				
Friday, June 25, 2027	09.00-19.00	4.12	Case Studies	10
Saturday, June 26, 2027	09.00-19.00	4.12	Case Studies	10
Sunday, June 27, 2027	09.00-19.00	4.12	Case Studies	10
Friday, July 2, 2027	17.00-21.00			
Saturday, July 3, 2027	9.00-11.00		Written Exams Module 4	
Sunday, July 4, 2027	09.00-17.00			