

Jadwal IWE Batch ke-7

**Jadwal berikut merupakan Jadwal Pembelajaran yang akan diikuti oleh Pengajar dan Peserta, warna () menunjukkan Materi yang sudah dilalui bersama, dan warna (,) menunjukkan Jadwal yang sudah di-fix-kan untuk 14 hari ke depan.

**Jadwal akan selalu di-update (di-fix-kan) dalam setiap tgl 30 (atau 31) dan 14 (atau 15) setiap bulannya.

	--> Sudah	(1JP = 45 minutes)				
Modul	Materi	JP	Time	Date	Days	Lecturer
	Modul 1: Welding Process & Equipment					
1	1.01 General Introduction to Welding Technology	3	19.00-21.30	06-Jan	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
1	1.02 Oxy-gas Welding and Related Processes	2	19.00-20.40	07-Jan	Rabu	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.03 Electrotechnics	1	20.40-21.30	07-Jan	Rabu	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.04 The Arc	3	19.00-21.30	08-Jan	Kamis	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.05 Power Sources for Arc Welding	4	19.00-22.20	09-Jan	Jum'at	Prof. Dr. Ir. Winarto, M.Sc.
1	1.06 Introduction to Gas Shilded Arc Welding	2	19.00-20.30	10-Jan	Sabtu	Fatkhy Baridwan, ST, MT, IWE
1	1.07 TIG Welding (part 1)	2	20.45-22.20	10-Jan	Sabtu	Fatkhy Baridwan, ST, MT, IWE
1	1.07 TIG Welding (part 2)	3	19.00-21.30	11-Jan	Minggu	Fatkhy Baridwan, ST, MT, IWE
xx	Sosialisasi Ujian Chapter (IWS-ANB)		19.00-selesai	12-Jan	Senin	Gusti Ruri Lestari, ST, IWE.
1	1.08.1 MIG/MAG (part 1)	4	19.00-22.20	13-Jan	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
1	1.08.1 MIG/MAG (part 2)	4	19.00-22.20	14-Jan	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
1	1.08.2 Flux Cored Arc Welding	2	19.00-20.40	15-Jan	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
1	1.09 MMA Welding (part 1)	2	20.40-22.20	15-Jan	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
1	1.09 MMA Welding (part 2)	4	08.00-11.20	17-Jan	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
1	1.10 Submerged-Arc Welding (part 1)	4	19.00-22.20	20-Jan	Selasa	Khoiri Ali, ST. MM. IWE
1	1.10 Submerged-Arc Welding (part 2)	2	19.00-20.40	21-Jan	Rabu	Khoiri Ali, ST. MM. IWE
1	1.11 Resistance Welding (part 1)	2	20.40-22.20	21-Jan	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
1	1.11 Resistance Welding (part 2)	4	19.00-22.20	22-Jan	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
	Modul 1: Welding Process & Equipment					
1	1.12.1 Laser; Electron Beam; Plasma (part 1)	4	19.00-22.20	25-Jan	Minggu	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.12.1 Laser; Electron Beam; Plasma (part 2)	4	19.00-22.20	26-Jan	Senin	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.12.2 Other Welding Processes (electrode & consumable) - part 1	4	19.00-22.20	27-Jan	Selasa	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.12.2 Other Welding Processes (electrode & consumable) - part 2	2	19.00-20.40	28-Jan	Rabu	Wahid Muhammad, M.Sc.Eng, Ph.D, IWE
1	1.14 Surfacing and Spraying	2	20.40-22.20	28-Jan	Rabu	Fatkhy Baridwan, ST, MT, IWE
1	1.13 Cutting, Drilling and other edge preparation processes	4	19.00-22.20	29-Jan	Kamis	Fatkhy Baridwan, ST, MT, IWE

1	1.15 Fully Mechanised Process and Robotic	8	08.00-15.30	31-Jan	Sabtu	Deniro Ardiansyah
1	1.16 Brazing and Soldering	4	19.00-22.20	03-Feb	Selasa	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
1	1.17 Joining Processes for Plastics	4	19.00-22.20	04-Feb	Rabu	Azizah Intan Pangesty, S.Si., M.Eng., D.Eng.
1	1.18 Joining Processes for Ceramics and Composites	2	19.00-20.40	05-Feb	Kamis	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
1	1.19 Welding Laboratory (≥ 10 JP)		*Practical activities			
1	EXTRA CLASS MODUL I	8	08.00-15.30	07-Feb	Sabtu	Yudia Bakti
	Total	94				
Modul 2: Materials and their behaviour during welding						
2	2.1 Structure and Properties of Metals	4	19.00-22.20	10-Feb	Selasa	Prof. Dr. Triyono, ST., MT., IWE
2	2.2 Phase Diagrams and Alloys	4	19.00-22.20	11-Feb	Rabu	Prof. Dr. Triyono, ST., MT., IWE
2	2.3 Iron-Carbon Alloys	5	19.00-23.00	12-Feb	Kamis	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.4 Manufacture & Classification of Steels	4	08.00-11.20	14-Feb	Sabtu	Nova Arief, ST, MT, IWE
2	2.5 Behaviour of Structural Steels in Fusion Welding	4	13.00-15.30	14-Feb	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
2	2.6 Cracking Phenomena in Welded Joints (part 1)	4	19.00-22.20	17-Feb	Selasa	Prof. Dr. Triyono, ST., MT., IWE
2	2.6 Cracking Phenomena in Welded Joints (part 2)	4	19.00-22.20	18-Feb	Rabu	Prof. Dr. Triyono, ST., MT., IWE
2	2.7 Fractures and Different Kinds of Fractures	4	19.00-22.20	19-Feb	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
2	2.8 Heat Treatment of Base Materials and Welded Joints	4	08.00-11.20	21-Feb	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
Modul 2: Materials and their behaviour during welding						
2	2.9 Structural (Unalloyed) Steels	4	13.00-15.30	21-Feb	Sabtu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.10 High Strength Steels	4	19.00-22.20	24-Feb	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
2	2.10 High Strength Steels	4	19.00-22.20	25-Feb	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
2	2.10 High Strength Steels	2	19.00-20.40	26-Feb	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
2	2.11 Application of Structural and high-strength steels	2	20.40-22.20	26-Feb	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
2	2.12 Creep & Creep Resistant Steels	4	08.00-11.20	28-Feb	Sabtu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.13 Steels for Cryogenic Applications	4	13.00-15.30	28-Feb	Sabtu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.14 Introduction to Corrosion	4	19.00-22.20	02-Mar	Senin	Dr.-Ing. Yudha Pratesa, ST, MT
2	2.15 Stainless & Heat Resistent Steel (part 1)	4	19.00-22.20	03-Feb	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
2	2.15 Stainless & Heat Resistent Steel (part 2)	4	19.00-22.20	04-Mar	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
2	2.15 Stainless & Heat Resistent Steel (part 3)	4	19.00-22.20	05-Mar	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
2	2.16 Introduction to Wear & Protective Layer	5	08.00-12.00	07-Mar	Sabtu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.17 Cast Irons and Steels	2	19.00-20.40	10-Mar	Selasa	Timothy Alexander Listiawan, ST, Ph.D
2	2.18 Copper & Copper Alloys	2	20.40-22.20	10-Mar	Selasa	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE

2	2.19 Nickel & Nickel Alloys	2	19.00-20.40	11-Mar	Rabu	Maya Agustiningrum, ST, Ph.D
2	2.20 Aluminium & Aluminium Alloys	2	20.40-22.20	11-Mar	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
2	2.20 Aluminium & Aluminium Alloys	4	19.00-22.20	12-Mar	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
2	2.21 Titanium & Others Metals Alloys	3	08.00-10.30	14-Mar	Sabtu	Fatkhy Baridwan, ST, MT, IWE
2	2.22 Joining Dissimilar Materials	4	13.00-15.30	14-Mar	Sabtu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.23 Destructive Testing of Materials and welded joints (part 1) (Tensile tests, Bend tests, Impact tests, Hardness tests)	3	19.00-21.30	16-Mar	Senin	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	2.23 Destructive Testing of Materials and welded joints (part 1) (Fatigue tests, Fracture Mechanics, CTOD, Creep tests)	3	19.00-21.30	17-Mar	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
2	2.23 Destructive Testing of Materials and welded joints (part 2) (Corrosion tests, Chemical Analysis, Hydrogen content tests)	3	19.00-21.30	18-Mar	Rabu	Dr.-Ing. Yudha Pratesa, ST, MT
Modul 2: Materials and their behaviour during welding						
2	2.23 Destructive Testing of Materials and welded joints (part 3) (Metallography sample preparation and examination)	2	19.00-20.40	19-Mar	Kamis	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
2	EXTRA CLASS MODUL II	8	08.00-15.30	21-Mar	Sabtu	Yudia Bakti
Total		120				
Modul 3: Construction and design						
3	3.1 Basic Theory of Structural Systems	4	19.00-22.20	23-Mar	Senin	Dipl. -Ing. Iwan Susanto, IWE
3	3.2 Fundamentals of The Strength of Materials (part 1)	3	19.00-21.30	24-Mar	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
3	3.2 Fundamentals of The Strength of Materials (part 2)	3	19.00-21.30	25-Mar	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
3	3.3 Joint Design for Welding & Brazing	4	19.00-22.20	26-Mar	Kamis	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
3	3.4 Basics of Weld Design	6	08.00-13.00	28-Mar	Sabtu	Dipl. -Ing. Iwan Susanto, IWE
3	3.5 Behaviour of Welded Structures Under Different Types of Loading	4	19.00-22.20	24-Mar	Selasa	Dipl. -Ing. Iwan Susanto, IWE
3	3.6 Design of Welded Structures with Predominantly Static Loading (part 1)	4	19.00-22.20	25-Mar	Rabu	Dipl. -Ing. Iwan Susanto, IWE
3	3.6 Design of Welded Structures with Predominantly Static Loading (part 2)	4	19.00-22.20	26-Mar	Kamis	Dipl. -Ing. Iwan Susanto, IWE
3	3.7 Behaviour of Welded Structures Under Cyclic Loading	8	08.00-15.30	28-Mar	Sabtu	Muslimin
3	3.8 Design of Cyclic Loaded Welded Structures (part 1)	4	19.00-22.20	30-Mar	Senin	Dipl. -Ing. Iwan Susanto, IWE
3	3.8 Design of Cyclic Loaded Welded Structures (part 2)	4	19.00-22.20	31-Mar	Selasa	Dipl. -Ing. Iwan Susanto, IWE
3	3.9 Design of Welded Pressure Equipment (part 1)	3	19.00-21.40	01-Apr	Rabu	Fatkhy Baridwan, ST, MT, IWE
3	3.9 Design of Welded Pressure Equipment (part 2)	3	19.00-21.40	02-Apr	Kamis	Fatkhy Baridwan, ST, MT, IWE
3	3.10. Design of Aluminium Alloys Structures	4	08.00-11.20	04-Apr	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
3	3.11 Introduction to Fracture Mechanics	4	13.00-15.30	04-Apr	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.

3	Extra Class Module III	8	08.00-15.30	05-Apr	Minggu	Yudia Bakti
	Total	74				
	Modul 4: Fabrication, applications engineering					
4	4.1 Introduction to Quality Assurance in Welded Fabrication (part 1)	4	19.00-22.20	07-Apr	Selasa	Dipl. -Ing. Iwan Susanto, IWE
4	4.1 Introduction to Quality Assurance in Welded Fabrication (part 2)	4	19.00-22.20	08-Apr	Rabu	Dipl. -Ing. Iwan Susanto, IWE
4	4.2 Quality Control During Manufacture (part 1) (quality of brazed and welded constructions, brazing and welding sequences, and welding inspection personnel: ISO 14731, ISO 9712, CEN and National standards)	3	19.00-21.30	09-Apr	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
4	4.2 Quality Control During Manufacture (part 2) (Brazer and Welder Qualification (ISO 9606, CEN and National Standards))	3	08.00-10.30	11-Apr	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
4	4.2 Quality Control During Manufacture (part 3) (Brazing and Welding Procedure Specification: ISO 15607 and 15609, CEN and National Standards, Qualification (ISO 15610, 156111, 15612, 15613 and 15614), CEN and National standards)	3	10.30-13.00	11-Apr	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
4	4.2 Quality Control During Manufacture (part 4) (Brazing and Welding Operator Qualification (ISO 14732, CEN and National Standards), and Traceability)	3	19.00-21.30	14-Apr	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
4	4.3 Residual Stresses & Distortion (part 1)	3	19.00-21.40	15-Apr	Rabu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
4	4.3 Residual Stresses & Distortion (part 2)	3	19.00-21.40	16-Apr	Kamis	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
4	4.4 Plant Facilities, Welding Jigs & Fixtures	4	08.00-11.20	18-Apr	Sabtu	Yudia Bakti
4	4.5 Health & Safety	4	13.00-15.30	18-Apr	Sabtu	Dipl. -Ing. Iwan Susanto, IWE
4	4.6 Measurement Control & Recording in Welding	4	19.00-22.20	21-Apr	Selasa	Dipl. -Ing. Iwan Susanto, IWE
4	4.7 Imperfections & Acceptance Criteria	4	19.00-22.20	22-Apr	Rabu	Yudia Bakti
4	4.8 Non Destructive Testing (part 1) (VT, MT/PT, Eddy current, acoustic emission, RT, digital RT, UT, etc)	4	19.00-22.20	23-Apr	Kamis	Arie Wijaya, ST, MT
4	4.8 Non Destructive Testing (part 2) (NDT design, calibration, interpretation, CEN/TR 15135, personnel qualification EN ISO 9712)	4	19.00-22.20	24-Apr	Jum'at	Arie Wijaya, ST, MT
4	4.9 Economic & Productivity	8	08.00-15.30	25-Apr	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
4	4.10 Repair Welding	4	19.00-22.20	27-Apr	Senin	Yudia Bakti
	Modul 4: Fabrication, applications engineering					
4	4.11 Reinforcing-Steel Welded Joints	3	19.00-21.30	28-Apr	Selasa	Prof. Dr. Ir. Winarto, M.Sc.
4	4.12.1 Case Studies	4	19.00-22.20	29-Apr	Rabu	Wahid Muhamad, M.Sc.Eng, Ph.D, IWE
4	4.12.1 Case Studies	4	19.00-22.20	30-Apr	Kamis	Fatkhy Baridwan, ST, MT, IWE

4	4.12.1 Case Studies	8	08.00-15.30	02-Mei	Sabtu	Prof. Dr. Ir. Winarto, M.Sc.
4	4.12.1 Case Studies	4	19.00-22.20	04-Mei	Senin	Dr.-Ing. Yudha Pratesa, ST, MT
4	4.12.1 Case Studies	4	19.00-22.20	05-Mei	Selasa	Suryadi, ST, MT
4	4.12.1 Case Studies	4	19.00-22.20	06-Mei	Rabu	Prof. Dr. Ir. Winarto, M.Sc.
4	4.12.1 Case Studies	4	19.00-22.20	30-Apr	Kamis	Prof. Dr. Ir. Winarto, M.Sc.
4	4.12.1 Case Studies	4	19.00-22.20	01-Mei	Jum'at	Yudia Bakti
4	4.12.1 Case Studies	8	08.00-15.30	02-Mei	Sabtu	Yudia Bakti
4	Extra Class Module IV	4	19.00-22.20	04-Mei	Senin	Yudia Bakti
4	Extra Class Module IV	4	19.00-22.20	05-Mei	Selasa	Yudia Bakti
	Total	117				
offline	1.19 Welding Laboratory (≥ 10 JP)					
offline	Welding Laboratory (intro)	8	08.00-16.00	15-Mei	Jum'at	Achmad Ashari dan Tim
offline	Praktik Welding Oxygas Welding and cutting	8	08.00-16.00	16-Mei	Sabtu	Achmad Ashari dan Tim
offline	Praktik Welding MMA	8	08.00-16.00	17-Mei	Minggu	Achmad Ashari dan Tim
offline	Praktik Welding TIG	8	08.00-16.00	18-Mei	Senin	Achmad Ashari dan Tim
offline	Praktik Welding GMAW	8	08.00-16.00	19-Mei	Selasa	Achmad Ashari dan Tim
offline	Praktik Welding FCAW	8	08.00-16.00	20-Mei	Rabu	Achmad Ashari dan Tim
offline	Kunjungan Industri	10	08.00-16.00	21-Mei	Kamis	Panitia WIRC FTUI
offline	Destructive Testing of Materials and welded joints	8	08.00-16.00	22-Mei	Jum'at	Achmad Ashari dan Tim
offline	Non Destructive Test	8	08.00-16.01	23-Mei	Sabtu	Achmad Ashari dan Tim
offline	Latihan Examination	8	08.00-16.02	24-Mei	Minggu	Achmad Ashari dan Tim
offline	Latihan Examination	8	08.00-16.03	25-Mei	Senin	Achmad Ashari dan Tim
offline	IWS-ANB Examination		08.00-16.00	26-Mei	Selasa	IWS-ANB
offline	Harmonized IIW		08.00-16.00	27-Mei	Rabu	IWS-ANB
offline	Oral Test		08.00-16.00	28-Mei	Kamis	IWS-ANB
offline	Oral Test		08.00-16.00	29-Mei	Jum'at	IWS-ANB