

**PHYSICAL CHARACTERIZATION
IMAGING & CHARACTERIZATION CORE LAB**

INSTRUMENT TRAINING CALENDAR

Jan-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
				9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa		
5	6	7	8	9:30-11AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	10
12	13	14	15	9:30-11AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	17
19	20	21	22	9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	24	25
26	27	28	29	9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	31

Feb-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
2	3	4	5	6	7	8
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa		9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa		
9	10	11	12	13	14	15
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa		
16	17	18	19	20	21	22
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa		9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa		
23	24	25	26	27	28	29
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa		

Mar-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa		9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa		
8	9	10	11	12	13	14
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa		
15	16	17	18	19	20	21
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa		9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa		
22	23	24	25	26	27	28
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa		
29	30	31				
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa					

Apr-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
			9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa		
5	6	7	8	9	10	11
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa		
12	13	14	15	16	17	18
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa		9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa		
19	20	21	22	23	24	25
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa		
26	27	28	29	30		
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa		9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa		

May-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
3	4	5	6	7	8	9
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa		

	iac.phy@kaust.edu.sa	iac.phy@kaust.edu.sa	iac.phy@kaust.edu.sa	iac.phy@kaust.edu.sa			
10	11 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	12 9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	13		14 9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	15	16
17	18 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	19 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	20 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa		21 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	22	23
24	25 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	26		27 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	28 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	29	30
31							

Jun-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat	
	1	2	3	4	5	6	
	9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa			
7	8 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa		9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa			
14	15 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	16 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	17 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	18 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	19	20	
21	22 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	23		24 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	25 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	26	27
28	29 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	30 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa					

Jul-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat	
			1 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	2 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	3	4	
5	6 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	7 9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	8	9 9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	10	11	
12	13 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	14 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	15 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	16 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	17	18	
19	20 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	21		22 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	23 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	24	25
26	27 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	28 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	29 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	30 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	31		

Aug-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat	
2	3	4	5	6	7	8	
	9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa		9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa			
9	10 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	11 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	12 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	13 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	14	15	
16	17 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	18		19 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	20 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	21	22
23	24 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	25 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa		26 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	27 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	28	29
30	31 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa						

Sep-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 9AM-5PM Single Crystal X-ray Diffraction Training	2	3 9:30-11AM Aramis Raman/PL - Temperature dependent Training	4	5

		5 iac.phy@kaust.edu.sa			5 iac.phy@kaust.edu.sa	
6	7 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	8 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	9 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	10 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	11	12
13	14 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	15	16 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	17 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	18	19
20	21 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	22 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	23 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	24 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	25	26
27	28 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	29 9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	30			

Oct-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	2	3
4	5 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	6 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	7 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	8 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	9	10
11	12 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	13	14 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	15 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	16	17
18	19 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	20 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	21 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	22 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	23	24
25	26 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	27 9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	28	29 9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	30	31

Nov-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	3 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	4 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	5 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	6	7
8	9 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	10	11 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	12 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	13	14
15	16 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	17 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	18 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	19 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	20	21
22	23 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	24 9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	25	26 9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	27	28
29	30 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa					

Dec-20

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	2 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	3 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa	4	5
6	7 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	8	9 9:30-11:00AM Epitaxial Thin Film Application training 5 iac.phy@kaust.edu.sa	10 9:30-11AM XRD geometry/optics training 5 iac.phy@kaust.edu.sa	11	12
13	14 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	15 9:30-10:30AM GID Training for Polycrystalline Thin Films Samples 5 iac.phy@kaust.edu.sa	16 9:30-10:30AM D8 Advance Powder Diffraction Training 5 iac.phy@kaust.edu.sa	17 9:30-11AM Aramis Raman/PL - Mapping Training 5 iac.phy@kaust.edu.sa	18	19
20	21 9:30-11AM LabRam Aramis Raman Spectroscopy Training 5 iac.phy@kaust.edu.sa	22 9AM-5PM Single Crystal X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	23	24 9:30-11AM Aramis Raman/PL - Temperature dependent Training 5 iac.phy@kaust.edu.sa	25	26
27	28 9:30-11AM Basic Powder (D2 Phaser) Training 5 iac.phy@kaust.edu.sa	29 9:30-10:30AM XRR Training for multilayer thin film samples 5 iac.phy@kaust.edu.sa	30 9:30-10:30AM Low angle Powder X-ray Diffraction Training 5 iac.phy@kaust.edu.sa	31 9:30-10:30AM UV-Vis Absorption Spectroscopy Training 5 iac.phy@kaust.edu.sa		

To register for tool training, the requester should:

- complete the "Lab Safety Training" (Conducted by HSE Department)
- complete the "Hazardous Waste Material Training" (Conducted by the HSE Department)
- complete the "Emergency and Crisis Management Training" (Conducted by the HSE Department)
- register in the Badger Booking System