

Course	Module	Lesson	LEAP 4000	LEAP 5000	LEAP 6000	EIKOS	Invizo 6000	Recorded Software Version	Date Posted	
AP Suite Basics	Associating FIB Images	Associating FIB Images	X	x	x	x	x	AP Suite 6.1	2/9/2022	
	Basics of Asset Manager	Asset Manager: The Basics	X	x	x	x	x	AP Suite 6.1	6/4/2021	
	Basics of Asset Manager	Search and Filter	X	x	x	x	x	AP Suite 6.1	6/4/2021	
	Basics of Asset Manager	Creating Formatting Rules (columns)	X	x	x	x	x	AP Suite 6.1	10/19/2021	
	Basics of Asset Manager	Blocks	X	x	x	x	x	AP Suite 6.1	12/14/2021	
	Basics of Asset Manager	Creating Specimens	X	x	x	x	x	AP Suite 6.1	1/26/2022	
	Basics of Data Navigator	Data Navigator: An Overview	X	x	x	x	x	AP Suite 6.1	10/28/2021	
	Basics of Data Navigator	Categories and Projects	X	x	x	x	x	AP Suite 6.1	10/27/2021	
	Basics of Data Navigator	Specimens Table	x	x	x	x	x	AP Suite 6.1	10/27/2021	
	Basics of Data Navigator	Exporting Table Data	x	x	x	x	x	AP Suite 6.1	10/27/2021	
	Basics of Data Navigator	Exporting Experiments and Reconstructions	x	x	x	x	x	AP Suite 6.1	10/27/2021	
	Basics of Data Navigator	Run Utility	x	x	x	x	x	AP Suite 6.1	10/27/2021	
	Basics of Data Navigator	Import Wizard	x	x	x	x	x	AP Suite 6.1	10/27/2021	
	Basics of Data Navigator	Project Management	x	x	x	x	x	AP Suite 6.1	10/29/2021	
	Basics of Data Navigator	Cache Browser	x	x	x	x	x	AP Suite 6.1	2/1/2022	
	Databases	Introduction to Databases and FAQs	x	x	x	x	x		6/8/2021	
	Databases	Creating a Local Database	x	x	x	x	x	AP Suite 6.0	6/15/2021	
	Installation, Configuration, and Options	The First Stop: The Configuration Menu	x	x	x	x	x	AP Suite 6.1	6/4/2021	
Installation, Configuration, and Options	Installing AP Suite on Data Analysis Computers	x	x	x	x	x	AP Suite 6.1	2/11/2022		
AP Suite Data Analysis	2D data	2D contour plots	x	x	x	x	x	AP Suite 6.1	6/7/2022	
	2D data	Adding 2D images	x	x	x	x	x	AP Suite 6.1	6/8/2022	
	Data analysis basics	Quick Reconstruction	x	x	x	x	x	AP Suite 6.1	12/10/2021	
	Data analysis basics	Ion Display Controls	x	x	x	x	x	AP Suite 6.1	12/10/2021	
	Data analysis basics	3D Display Controls	x	x	x	x	x	AP Suite 6.1	12/14/2021	
	Data analysis basics	Regions of Interest	x	x	x	x	x	AP Suite 6.1	12/14/2021	
	Data analysis basics	1D Composition	x	x	x	x	x	AP Suite 6.1	12/10/2021	
	Data analysis basics	Working with Workspaces	x	x	x	x	x	AP Suite 6.1	12/10/2021	
	Data Analysis basics	Creating a Movie	x	x	x	x	x	AP Suite 6.2	8/8/2022	
	Data Analysis basics	Web Export Tool	x	x	x	x	x	AP Suite 6.2	8/8/2022	
	Isosurfaces	Example data: quick reconstruction to work along	x	x	x	x	x	AP Suite 6.1	3/25/2022	
	Isosurfaces	Creating Isosurfaces	x	x	x	x	x	AP Suite 6.1	3/25/2022	
	Isosurfaces	Analysis Panel and Subgroups	x	x	x	x	x	AP Suite 6.1	3/28/2022	
	Isosurfaces	Proxigrams	x	x	x	x	x	AP Suite 6.1	3/28/2022	
	Isosurfaces	Exporting Isosurface Regions	x	x	x	x	x	AP Suite 6.1	3/28/2022	
	Isosurfaces	3D grid parameters	x	x	x	x	x	AP Suite 6.1	3/28/2022	
	Isosurfaces	Ruler/Measurement tool	x	x	x	x	x	AP Suite 6.1	7/15/2022	
	Peak Identification Tool	Peak ID Tool		x	x	x	x	AP Suite 6.1		
	Peak Identification Tool	Creating Custom Element Data	x	x	x	x	x	AP Suite 6.1	6/10/2022	
	ROI simulation tool	ROI simulation: Part I	x	x	x	x	x	AP Suite 6.1	1/31/2022	
	ROI simulation tool	ROI Simulation tool: Part II	x	x	x	x	x	AP Suite 6.1	2/1/2022	
	Spatial Distribution Maps	Example I: single pole W SDM	x	x	x	x	x	AP Suite 6.2	11/9/2022	
	Spatial Distribution Maps	Spatial Distribution Maps: Basic Theory	x	x	x	x	x	AP Suite 6.2	11/10/2022	
	Spatial Distribution Maps	Example II: Multi pole W SDM	x	x	x	x	x		12/5/2022	
Automation	25 tip coupons	25 Tip Coupon Handling		x	x				6/17/2021	
	Auto Alignment Optimization	Setting Alignment Target		x	x			ACC	12/2/2021	
	Auto Alignment Optimization	Discovery Process		x	x			ACC	12/2/2021	
	Auto Alignment Optimization	Automated Local Electrode Test		x	x			ACC	11/21/2021	
	Auto Alignment Optimization	AutoAlign Settings (service only)		x	x			ACC	11/2/2021	
	Automated Lift-Out Specimen Preparation	Auto Cross Section Lift-Out		x	x				8/11/2022	
	Automated Lift-Out Specimen Preparation	Auto Inverted Lift-Out		x	x				8/11/2022	
	Automated Lift-Out Specimen Preparation	Auto Top Down Lift-Out		x	x				8/11/2022	
	Live Demo: Automation demonstration	2021 Users meeting live demo		x	x				1/31/2022	
	Scripted Acquisition	Script Builder: Detection rate change example		x	x	x	x	AP Suite 6.1	2/9/2022	
	Scripted Acquisition	Scripting University: Writing Status Messages		x	x	x	x	AP Suite 6.1	2/17/2022	
	Scripted Acquisition	Scripting University: Operators		x	x	x	x	AP Suite 6.1	3/24/2022	
	Scripted Acquisition	Scripting University: Using Concentration in Scripts		x	x	x	x	AP Suite 6.2	11/3/2022	
	Scripted Acquisition	Scripting University: Applying Stop Conditions		x	x	x	x	AP Suite 6.3	12/15/2022	
	Scripted Acquisition:updates are to "Intro to Script builder" not a separate video	Intro to Script Builder		x	x	x	x	AP Suite 6.1	6/1/2021	
	Tool to Tool Matching (TTTM)	Tool Matching: Intro and How-to		x				ACC	4/12/2022	
	Data Acquisition	AutoAlignment Controls (optional feature)	Auto Alignment Optimization Voltage Mode		x	x			ACC	11/2/2021
		AutoAlignment Controls (optional feature)	Auto Alignment Optimization Laser Mode		x	x			ACC	11/2/2021
EIKOS Acquisition		EIKOS Alignment Station				X			4/15/2022	
EIKOS Acquisition		EIKOS Initial Laser Alignment				x		ACC	4/15/2022	
INVIZO 6000 (INVIZO only)		Introduction to Invizo					x	ACC	1/31/2022	
INVIZO 6000 (INVIZO only)		When to change the electrode					x	ACC	1/31/2022	
INVIZO 6000 (INVIZO only)		Exchanging the conter electrode					x	ACC	1/31/2022	
INVIZO 6000 (INVIZO only)		Inserting a specimen					x	ACC	1/31/2022	

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	INVIZO 6000 (INVIZO only)	Using the Runways					x	ACC	1/31/2022
	INVIZO 6000 (INVIZO only)	Beams to Target					x	ACC	1/31/2022
	INVIZO 6000 (INVIZO only)	Specimen to Target					x	ACC	1/31/2022
	INVIZO 6000 (INVIZO only)	Dual beam alignment					x	ACC	2/1/2022
	INVIZO 6000 (INVIZO only)	Updating the target					x	ACC	2/1/2022
	INVIZO 6000 (INVIZO only)	Centering the aperture					x	ACC	2/1/2022
	Lab III: Local Electrode change	Lab III Video						ACC	12/3/2021
	LEAP 6000XR	Local Electrode Exchange and Realign		x				ACC	9/20/2022
	Live Calibration	Live calibration basics		x	x	x	x	ACC	9/2/2022
	Advanced Acquisition Controls	Advanced Controls: Constant Field, Auto Pulse Rate, Auto Pulse Energy		x	x	x	x	ACC	1/18/2022
Lab Manager's Corner	Tool Maintenance and Troubleshooting	Incrementing the SESAM or THG		x				ACC	2/2/2022
	VCTM Bake Process	VCTM bake process	x	x	x		x	ACC	4/15/2022
	Editing Conditions File	Editing Conditions File		x	x	x	x	ACC	3/23/2022
	Tool Maintenance and Troubleshooting	Calibrating Transfer Assist		x	x	x	x	ACC	2/17/2022
	Tool Maintenance and Troubleshooting	Heat and Plasma Treatment		x	x			ACC	3/23/2022
	Tool Maintenance and Troubleshooting	Prism Alignment		x				ACC	
	Lab Supplies (optional)	Lab Supplies		x	x	x	x		
Specimen Preparation	Accessories and Consumables overview	Accessories and Consumables overview	x	x	x	x	x		5/13/2022
	FIB Liftout: Live Demonstration	FIB liftout introduction	x	x	x	x	x		2/1/2022
	FIB Liftout: Live Demonstration	Step 1: Depositing Protective Cap	x	x	x	x	x		2/2/2022
	FIB Liftout: Live Demonstration	Step 2: Trench cut	x	x	x	x	x		2/2/2022
	FIB Liftout: Live Demonstration	Step 3: Lift out	x	x	x	x	x		2/2/2022
	FIB Liftout: Live Demonstration	Step 4: Mounting	x	x	x	x	x		2/2/2022
	FIB Liftout: Live Demonstration	Step 5: Sharpening	x	x	x	x	x		2/4/2022
	FIB Liftout: Live Demonstration	Step 6: Low energy cleaning	x	x	x	x	x		2/4/2022
	FIB Liftout: Live Demonstration	Overview: Sharpening Process	x	x	x	x	x		2/4/2022
	FIB Technical Notes	Module overview: FIB Tech Notes	x	x	x	x	x		1/19/2022
	Specimen Preparation basics: Lecture Series	Introduction to Specimen Prep for Atom Probe Tomography	x	x	x	x	x		2/1/2022
	Specimen Preparation basics: Lecture Series	Specimen Requirements for APT	x	x	x	x	x		2/1/2022
	Specimen Preparation basics: Lecture Series	Substrates for Liftout	x	x	x	x	x		2/1/2022
	Specimen Preparation basics: Lecture Series	Liftout Procedures	x	x	x	x	x		2/1/2022
	Specimen Preparation basics: Lecture Series	Outline of FIB Liftout Procedures	x	x	x	x	x		
	Substrate handling	ARM Rotoprobe PN 24779	x	x	x	x	x		7/19/2022
	Substrate handling	Half grid holder (PN 26883)	x	x	x				12/6/2022
	Substrate handling	25 Tip Coupon Handling		x	x				2/1/2022
	Substrate handling	22 and 36 coupon handling	x	x	x				2/1/2022
	Transmission EBSD/TKD tutorial	Transmission EBSD mapping of an APT specimen	x	x	x	x	x	EDAX TEAM	5/31/2022
	Working with Wires	Outline and presentation	x	x	x	x	x		2/11/2022
	Working with Wires	Crimping station	x	x	x	x	x		2/11/2022
	Working with Wires	Cutting a flat top	x	x	x	x	x		2/11/2022
	Working with Wires	Lift-out onto wires	x	x	x	x	x		2/11/2022
	Working with Wires	Annular milling of wires	x	x	x	x	x		2/11/2022
	Loading a specimen for analysis	Puck loading into carousels and chamber	x	x	x	x	x		2/11/2022
	CAMECA half grid options and PN 25252 preparation instructions	half grid options overview	x	x	x				
Theory, Instrumentation & Process: Part 1	Implant Reconstruction Example	Using Internal Calibration Information (Implant Reconstruction Example.mp4)	x	x	x	x	x		12/8/2021
	Theory, Instrumentation & Process: Part 1	Part 1 Overview	x	x	x	x	x		12/9/2021
	Theory, Instrumentation & Process: Part 1	Getting Help	x	x	x	x	x		12/13/2021
	Theory, Instrumentation & Process: Part 1	Brief Atom Probe History	x	x	x	x	x		12/8/2021
	Theory, Instrumentation & Process: Part 1	How an Atom Probe Works (repeat) (HowLEAPWorks.mp4)	x	x	x	x	x		12/8/2021
	Theory, Instrumentation & Process: Part 1	Basic Time-of-Flight Considerations	x	x	x	x	x		12/8/2021
	Theory, Instrumentation & Process: Part 1	Live Cal		x	x	x	x	AP Suite 6.1	12/8/2021
	Theory, Instrumentation & Process: Part 1	Reflectron Specific Information	x	x	x	x		AP Suite 6.1	12/8/2021
	Theory, Instrumentation & Process: Part 1	Reconstruction & First Time Through (FirstTimeThrough.mp4)	x	x	x	x	x	AP Suite 6.1	12/8/2021
	Theory, Instrumentation & Process: Part 1	Physics Imaginings	x	x	x	x	x	AP Suite 6.1	12/8/2021
	IVAS 6 Reconstruction Wizard Tutorial	IVAS 6 Recon Wizard -1	x	x				AP Suite 6.1	6/9/2021
	IVAS 6 Reconstruction Wizard Tutorial	IVAS 6 Recon Wizard -2	x	x				AP Suite 6.1	6/9/2021
	IVAS 6 Reconstruction Wizard Tutorial	IVAS 6 Recon Wizard - 3:1 - Step 1	x	x				AP Suite 6.1	9/8/2021
	IVAS 6 Reconstruction Wizard Tutorial	IVAS 6 Recon Wizard - 3:2 - Steps 2 & 3	x	x				AP Suite 6.1	10/7/2021
	IVAS 6 Reconstruction Wizard Tutorial	IVAS 6 Recon Wizard - 3:3 - Steps 4 & 5	x	x				AP Suite 6.1	10/6/2021
	IVAS 6 Reconstruction Wizard Tutorial	IVAS 6 Recon Wizard - 3:4 - Steps 6 & 7	x	x				AP Suite 6.1	10/6/2021
Vacuum Cryo Transfer Module (VCTM)	Attaching the VCTM to a FIB	VCTM FIB Transfer	x	x	x		x	ACC	4/12/2022
	VCTM wizard transfer	Mounting the VCTM	x	x	x		x	ACC	11/4/2021
	VCTM wizard transfer	Transfer Puck to Chamber	x	x	x		x	ACC	11/15/2021
	VCTM wizard transfer	Transfer Puck from Chamber to VCTM	x	x	x		x	ACC	11/10/2021
	VCTM wizard transfer	Unmount VCTM	x	x	x		x	ACC	11/8/2021
	VCTM Bake Process	VCTM bake process	x	x	x		x	ACC	4/15/2022
IVAS 3.8	Example Datasets	Overview (IVAS 3.8 Example Datasets.mp4)	x	x				IVAS 3.8	9/9/2021

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	Image Compression Factor (ICF) Determination	ICF Tutorial Overview (ICF 01-11 Tutorial Overview.mp4)	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF Reconstruction Theory	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF Overview R79_172968 (Al Alloy)	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF Overview R74_149961 (Al Alloy with Precipitate)	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R79_172968 Wizard 1-6 (ICF 05-11 R79_172968 Steps 1-6.mp4)	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R79_172968 Wizard 7 Pole Indexing	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R79_172968 Wizard 7 Reconstruction Explorer (SDM)	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R74_149961 Wizard 1-6	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R74_149961 Wizard 7 Pole Indexing	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R74_149961 Wizard 7 Reconstruction Explorer (SDM)	x	x				IVAS 3.8	9/22/2021
	Image Compression Factor (ICF) Determination	ICF R74_149961 Analysis of Reconstructed Data	x	x				IVAS 3.8	9/22/2021
	IVAS 3.8 Course Overview	Course Overview	x	x				IVAS 3.8	9/23/2021
	IVAS 3.8 Reconstruction Wizard (Brief)	Overview (IVAS3aa1.mp4)	x	x				IVAS 3.8	9/7/2021
	IVAS 3.8 Reconstruction Wizard (Brief)	Step 1: Make Project then View General Information (IVAS3aa2.mp4)	x	x				IVAS 3.8	9/7/2021
	IVAS 3.8 Reconstruction Wizard (Brief)	Steps 2 & 3: Voltage Cut and Other Charts, Field-of-View Selection (IVAS3bb.mp4)	x	x				IVAS 3.8	9/7/2021
	IVAS 3.8 Reconstruction Wizard (Brief)	Steps 4 & 5: Time-of-Flight Correction and Mass-Spectrum Calibration (IVAS3cc.mp4)	x	x				IVAS 3.8	9/7/2021
	IVAS 3.8 Reconstruction Wizard (Brief)	Step 6: Mass Ranging (IVAS3dd.mp4)	x	x				IVAS 3.8	9/7/2021
	IVAS 3.8 Reconstruction Wizard (Brief)	Step 7: Reconstruction (IVAS3ee.mp4)	x	x				IVAS 3.8	9/7/2021
	IVAS 6 Reconstruction Wizard Tutorial	Introduction & Overview (2021-APS_Wizard-Chapter1.mp4)	x	x				AP Suite 6.1	6/9/2021
	IVAS 6 Reconstruction Wizard Tutorial	Brief APS6 Wizard Tour (2021-APS_Wizard-Chapter2.mp4)	x	x				AP Suite 6.1	6/9/2021
	IVAS 6 Reconstruction Wizard Tutorial	Wizard Step 1 in Detail (Lesson1.mp4)	x	x				AP Suite 6.1	9/8/2021
	IVAS 6 Reconstruction Wizard Tutorial	Wizard Steps 2 & 3 in Detail (Lesson2.mp4)	x	x				AP Suite 6.1	10/7/2021
	IVAS 6 Reconstruction Wizard Tutorial	Wizard Steps 4 & 5 in Detail (Lesson3.mp4)	x	x				AP Suite 6.1	10/6/2021
	IVAS 6 Reconstruction Wizard Tutorial	Wizard Steps 6 & 7 in Detail (Lesson4.mp4)	x	x				AP Suite 6.1	10/6/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Introduction (IVAS-LT 1-8)	x	x				IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Part 1: Installing IVAS	x	x			x	IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Part 2: Loading Data	x	x			x	IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Part 3: Mass Spectrum Analysis	x	x			x	IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Part 4: Creating Regions of Interest (ROI)	x	x			x	IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Part 5: Isosurfaces	x	x			x	IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Part 6: Saving Analysis States	x	x			x	IVAS 3.8	9/8/2021
	IVAS-LT 3.8 (IVAS Lite, free version)	Summary (IVAS-LT 8-8)	x	x			x	IVAS 3.8	9/8/2021
	Sharing Projects & Data Example	Introduction (IVAS 3.8 SDE 1 Introduction.mp4)	x	x			x	IVAS 3.8	9/9/2021
	Sharing Projects & Data Example	Project Open and Content (IVAS 3.8 SDE 2 Project Open and Content.mp4)	x	x			x	IVAS 3.8	9/9/2021
	Sharing Projects & Data Example	Mouse Tricks (IVAS 3.8 SDE 3 Mouse Tricks.mp4)	x	x			x	IVAS 3.8	9/9/2021
	Sharing Projects & Data Example	Ranging Intro	x	x			x	IVAS 3.8	9/9/2021
	Sharing Projects & Data Example	3D Display Options	x	x			x	IVAS 3.8	9/9/2021
	Sharing Projects & Data Example	Isosurface and Proxigram	x	x			x	IVAS 3.8	9/9/2021
IVAS 3.8	Sharing Projects & Data Example	Isosurface Exporting	x	x			x	IVAS 3.8	9/9/2021