

Day 1		Introduction, System Installation, and Operation
		Laser Safety Video & Laser Safety Quiz
10:00 AM	12:00 PM	Introduction Course Intro, Facility, Classroom Rules, Manuals, Data, Lasers, Paperwork Syllabus Review Presentation General Overview Company Coherent Laser Head & Power Supply Chiller MRU
12:00 PM	1:00 PM	Lunch
1:00 PM	2:00 PM	Introduction (cont) Presentation General Overview 2 Models & Specifications VPUF Laser Basics 80 MHz Cavity Basics Modelocking, Q-Switching, CW Breakthrough, Pump & Cavity PZTs Differences with 90 & 80 MHz Cavity systems FSB 468 Recovery vs Initialise Safety Review Laser, Lab, System Interlocks
2:00 PM	2:30 PM	Break
2:30 PM	3:00 PM	Presentation System Installation Equipment Required Utility Requirements Installing Chiller, MRU, Laser Head, and Power Supply Turn-On and Off Procedures, Maintenance
3:00 PM	4:00 PM	Lab: Operator & Service Menus Get familiar with Chameleon Operator Menus System Information, Alignment, Initialise Chameleon Service Menus Verdi Service Menus
4:00 PM	4:30 PM	Lab: External Computer Control: RS-232 Communications Connect trainee's notebook to Laser Chameleon Service Commands Chameleon Operator Commands and Queries Verdi Service Commands and Queries
4:30 PM	5:00 PM	Quiz #1

Day 2		Installation, Maintenance Part 2 & Service Software incl. Remote Session
9:00 AM	9:30 AM	Review: Day #1 / Quiz #1
9:30 AM	10:30 AM	Lab: Installation REES, Scope, Photocell,... Fill out Installation Report
10:30 AM	10:45 AM	Break
10:45 AM	11:30 AM	Lab: Installation & Maintenance Water Replacement MRU Cartridges & Pump Replacement
11:30 AM	12:30 PM	Lunch
12:30 PM	2:30 PM	Lab: Chameleon Service Software Chameleon GUI Installation Issues Chameleon & Verdi Head EEPROM Data
2:30 PM	2:45 PM	Break
2:45 PM	4:00 PM	Office: Chameleon Remote Service Perform Remote Sessions according to FSB 781 LBO Optimization Detecting faults, calibration RH, checking specification
4:00 PM	4:30 PM	Quiz #2

Day 3		Shutter & IBS, Autocorrelation, Troubleshooting, and Wavelength Calibration
9:00 AM	9:30 AM	Presentation: Pulse Length Measurement
9:30 AM	10:30 AM	Presentation: Pointing Measurement
10:30 AM	10:45 AM	Break
10:45 AM	12:00 PM	Lab: Autocorrelation Mini / Carpe Precompensation Settings of a Microscope Lab: Pointing Measurement
12:00 AM	1:00 AM	Lunch
1:00 AM	2:00 AM	Lab: Autocorrelation Mini / Carpe Precompensation Settings of a Microscope Lab: Pointing Measurement
2:00 AM	2:45 AM	Quiz #3
2:45 AM	3:00 AM	Break
3:00 AM	5:00 AM	Chameleon Wavelength Calibration

Day 4		Circuit Descriptions, Software Upgrade, Head Board Replacement
9:00 AM	9:30 AM	Review: Day #3 / Quiz #3
9:30 AM	10:30 AM	Quiz #4
10:30 AM	10:45 AM	Break
10:45 AM	12:00 PM	Lab: Troubleshooting Fault Messages & System Faults Manual PZT Control versus PowerTrack Find the issue of a manipulated / defective Chameleon
12:00 PM	1:00 PM	Lunch
1:00 PM	3:00 PM	Software Upgrade
3:00 PM	5:00 PM	Head Board Replacement Differences between Ultra & Vision Lab: Shutter & IBS Cleaning & Replacement
Day 5		Final Q&A, Lab Cleanup, Certifications
9:00 AM	9:30 AM	Review: Day #4 / Quiz #4
9:30 AM	10:30 AM	Final Question & Answer Session / Issue - Solution List
10:30 AM	10:45 AM	Break
10:45 AM	12:00 PM	Cleanup Lab
12:00 PM	1:00 PM	Lunch
1:00 PM	1:15 PM	Get Certifications, End of Course