ZEISS CALYPSO TRAINING OVERVIEW

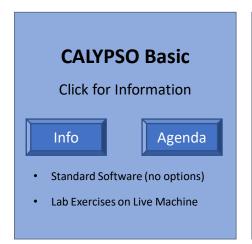
- Training Class Info and Agendas
- Training Experience Comparison
- Class Offerings by Location
- Training Schedules by Class Type

- Ryan Stauffer
- Regional Applications Manager –
 East

6/24/22



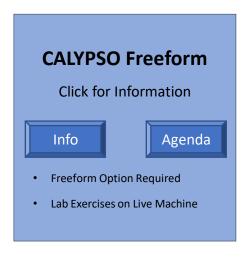
ZEISS Training Classes Information and Agendas



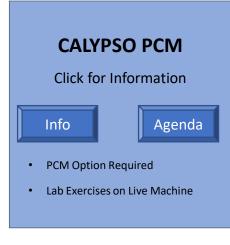
















EXPERIEN COMPARIS
What is the cla
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TRAINING

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Traditional Classroom **Training** The students complete all teaching lessons and

Live Online Training

Live Online Training @ Charlotte QEC

Onsite Training @ Customer Facility Teaching sessions are at fixed times. Schedule is more flexible, but still must follow ZEISS

standard curriculum.

Instructor and students are

more prone to distractions

SON ass

What is the

instruction format?

activities together. If one group finished early, they wait for other groups to complete the exercise before the entire group moves on to the next topic. Traditional classroom training where the

instructor is with students

in the classroom and

The Instructor teaches remotely via the GoToTraining web service. The instructor teaches and demonstrates live on a machine broadcast by several different cameras. Polls, Quizzes, Chats, and Q&A are important parts of the Live Online Training

experience every student must participate in.

Students participate in class anywhere with an

internet connection, preferably in a quiet area at

their desk or conference room away from the CMM.

Teaching sessions are at fixed times. Labs can be

completed at any time before the next teaching

session. Students can take more or less time as

needed individually so students can work at their

used as needed on an individual basis for students to work at their own pace. If labs are completed early and more time is available, students are encouraged to use the machines for additional practice during class hours. The Instructor teaches from the Charlotte Center, but not in the Classroom. Students participate on their own computer in the ZEIS classroom with remote students across the country. Interactive Polls, Quizzes,

Chats, and Q&A are important parts of

the Live Online Training experience

Labs must be completed during

business hours but are not during set

timeframes. More or less time can be

than in other training formats. Students typically learn around one machine in the customer's environment with the instructor at the machine. The environment must be conducive to learning with minimal distractions.

teaches the topics to the group. **How many students** per machine?

2 Two Students per machine possibly from different companies. Labs are a

group effort, with teacher

available to help.

1 or 2

meeting, etc.

own pace.

One or Two co-workers at customer facility, working on their machine. Teacher is available to help remotely via screenshare, text, phone call, web

Labs to be completed independently by the student on their own machine.

every student must participate in. 1 or 2 One or Two co-workers at customer facility, working on Teacher is available to help in classroom their machine. The teacher is always with students at the as needed. machine as well.

CLASS OFFERINGS	Wixom	Maple Grove	Charlotte	Boston	Chicago	Lake Forest	Live Online	Live Online @ Charlotte	Onsite @ Customer
CALYPSO Basic	√	√	√	√	√	√	✓	✓	✓
CALYPSO Advanced	√	\checkmark	✓	\checkmark	\checkmark	√	✓	✓	\checkmark
CALYPSO Expert	√	X	X	X	X	X	✓	√	X
Curve	√	√	X	X	X	X	√	✓	√
Freeform	√	√	X	X	X	X	√	√	\checkmark
PiWeb Reporting	X	X	X	X	X	X	√	X	X
CALYPSO GD&T	X	X	X	X	X	X	√	X	X
PCM	√	X	X	X	X	X	√	√	✓
CALYPSO Basic (O-I)	√	√	X	X	X	X	X	X	X
O-Inspect Optics	\checkmark	\checkmark	X	X	X	X	√	X	√
ViScan	X	X	X	X	X	X	X	X	✓
Linescan	X	X	X	X	X	X	X	X	\checkmark
GearPro	X	X	X	X	X	X	X	X	√
Planner/Simulation	X	X	X	X	X	X	√	X	X
Rotary Table	X	X	X	X	X	X	X	X	√
AUKOM Series	√	√	X	X	X	X	√	X	✓

TYPICAL CLASS SCHEDULE	Traditional Classroom	Live Online Training	Live Online @ Charlotte	Onsite @ Customer
CALYPSO Basic CALYPSO Advanced CALYPSO Expert	4 days (28 hours) 8:30-5:00 Local Time Mon-Thr Approximately 7 hours/day of instruction and lab activities	5 days (28 hours) Instruction 10-11:30 EST Mon-Fri Instruction 2:30-4:00 EST Mon-Thr Approximately 3 hours/day on lab assignments – Flexible hours	5 days (28 hours) Instruction 10-11:30 EST Mon-Fri Instruction 2:30-4:00 EST Mon-Thr Approximately 3 hours/day on lab assignments – Flexible hours	4 days (28 hours) Approximately 7 hours/day of instruction and lab activities
PiWeb Reporting CALYPSO GD&T	N/A	5 days (14 hours) Instruction 10:30-11:30 EST Mon-Fri Instruction 2:30-3:30 EST Mon-Thr Approximately 1 hour/day on lab assignments – Flexible hours	N/A	N/A
Curve	3 days (21 hours) 8:30-5:00 Local Time Mon-Wed Approximately 7 hours/day of instruction and lab activities	5 days (21 hours) Instruction 10-11:00 EST Mon-Fri Instruction 2-3:00 EST Mon-Thr Approximately 2.5 hour/day on lab assignments – Flexible hours	5 days (21 hours) Instruction 10:30-11:30 EST Mon-Fri Instruction 2:30-3:30 EST Mon-Thr Approximately 1 hour/day on lab assignments – Flexible hours	3 days (21 hours) Approximately 7 hours/day of instruction and lab activities
Freeform	2 days (14 hours) 8:30-5:00 Local Time Thr-Fri Approximately 7 hours/day of instruction and lab activities	3 days (14 hours) Instruction 10-11:30 EST Mon-Wed Instruction 2:30-4:00 EST Mon-Tue Approximately 3 hours/day on lab assignments – Flexible hours	3 days (14 hours) Instruction 10-11:30 EST Mon-Wed Instruction 2:30-4:00 EST Mon-Tue Approximately 3 hours/day on lab assignments – Flexible hours	2 days (14 hours) Approximately 7 hours/day of instruction and lab activities
PCM	3 days (21 hours) 8:30-5:00 Local Time Mon-Wed Approximately 7 hours/day of instruction and lab activities	5 days (21 hours) 30-Min Instruction Sessions Mon-Thr at 9:30, 11:00, 1:30, and 3:00 EST Approximately 30-Min activities after each Instruction Session Final Project and Review Friday: 5 hrs	5 days (21 hours) 30-Min Instruction Sessions Mon-Thr at 9:30, 11:00, 1:30, and 3:00 EST Approximately 30-Min activities after each Instruction Session Final Project and Review Friday: 5 hrs	3 days (21 hours) Approximately 7 hours/day of instruction and lab activities

TYPICAL CLASS SCHEDULE	Traditional Classroom	Live Online Training	Live Online @ Charlotte	Onsite @ Customer
AUKOM I AUKOM II	5 days (28 hours) 8:30-4:30 Local Time Mon-Thr 8:30-10:30 Local Fri Approximately 7 hours/day of instruction – Exam on Friday	5 days (28 hours) Instruction 9:30-5:00 EST Mon-Thr Instruction 9:30-1:30 EST Fri Hours above include breaks and final exam.	N/A	4 days (28 hours) Approximately 7 hours/day of instruction. Exam Last Day.
AUKOM GD&T	N/A	3 days (21 hours) Instruction 9:30-5:00 EST Mon-Wed Hours above include breaks and final exam.	N/A	N/A
O-Inspect Optics	2 days (14 hours) 8:30-5:00 Local Time Mon-Tue Approximately 7 hours/day of instruction and lab activities	3 days (14 hours) Instruction 9:30-11:00 EST Mon-Tue Instruction 1:30-3:00 EST Mon-Tue Approximately 1 hour/day on lab assignments – Flexible hours	N/A	2 days (14 hours) Approximately 7 hours/day of instruction and lab activities
Planner/Simulation	N/A	2 days (12 hours) Instruction 9:30-10:30 EST Mon-Tue Instruction 1:30-3:30 EST Mon-Tue Approximately 2 hour/day on lab assignments – Flexible hours	N/A	N/A
ViScan LineScan GearPro Rotary Table	N/A	N/A	N/A	2 days (14 hours) Approximately 7 hours/day of instruction and lab activities



Seeing beyond