

Laser Safety Training Course

Agenda & Joining Instructions

Day 1	Laser Safety Awareness Training
08:30 – 09:00	Arrival (<i>refreshments provided</i>)
09:00 – 10:30	<u>1. Theoretical Foundations of Laser Technology</u> 1.1 Principals of laser action 1.2 Laser types 1.3 Laser beam characteristics 1.4 Detailed information on CO ₂ , Nd:YAG & diode lasers 1.5 Example laser applications
10:30 – 10:45	Break (<i>refreshments provided</i>)
10:45 – 12:30	<u>2. Primary Hazards</u> 2.1 Hazards for skin and eyes 2.2 Laser classes, definition of AELs 2.3 Definition of MPE - maximum permissible exposure <u>3. Secondary Hazards</u> 3.1 Human factors 3.2 Outside influences 3.3 Inherent hazards 3.4 Emission <u>4. Legal Basics</u> 4.1 Guidelines, standards, regulations
12:30 – 13:30	Lunch (<i>refreshments provided</i>)
13:30 – 15:30	<u>4. Legal Basics</u> 4.1 Guidelines, standards, regulations <u>5.0 Organisational Protective Measures</u> <u>6.0 Constructional & Technical Protective Measures</u>
15:30 – 15:45	Break
15:45 – 17:00	<u>7.0 Personal Protective Measures</u> <u>8.0 Laser Users</u> 8.1 Rights & duties 8.2 Legal aspects 8.3 Cooperation with laser safety specialists 8.4 The importance of regular training
17:00	Close

Day 2	Laser Safety Officer Training
08:30 – 09:00	Arrival (<i>refreshments provided</i>)
09:00 – 10:00	<u>1. Review of Laser Safety Awareness Training from Day 1</u>
10:00 – 10:30	<u>2. Legal Aspects</u> 2.1 Guidelines 2.2 Standards 2.3 Regulations 2.4 Accident protection directives
10:30 – 10:45	Break (<i>refreshments provided</i>)
10:45 – 11:15	<u>3. Laser Safety Officer</u> 3.1 Responsibilities & duties 3.2 Legal position in the company 3.3 Cooperation with the laser safety officers
11:15 – 12:00	<u>4. Personal Protective Equipment</u>
12:00 – 13:00	Lunch (<i>refreshments provided</i>)
13:00 – 14:15	<u>5. Sample Calculations</u> 5.1 MPE 5.2 NOHD (Nominal Ocular Hazard Distance) 5.3 Laser Classes
14:15 – 14:30	Break (<i>refreshments provided</i>)
14:30 – 15:30	<u>6.0 Team Work</u>
15:30 – 16:30	<u>7.0 Audit</u>
16:30 – 17:00	<u>Discussion</u>
17:30	Close
Venue :	Innovation Centre, University Way, Cranfield, MK43 0BT
Web Site:	http://www.cranfieldtechnologypark.co.uk
Local Hotels:	The hotel at the Cranfield University Management Centre is located conveniently close to the Innovation Centre. To make a reservation, go to www.cmdc.info or call 01234 752709