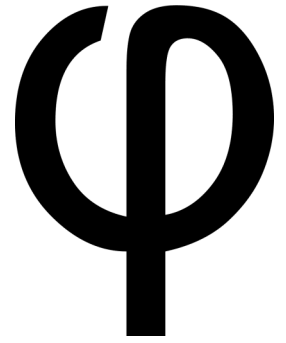


Optical Network Training



Phibre is offering a portfolio of training in optical networks ranging from executive overviews through to practical courses.

Optical Networks for Project Managers:

Intermediate level course providing a solid foundation in theories, principles, optical technologies and laser safety knowledge.

Course objective to create intelligent customers, upskill managers, supervisors, sales and marketing staff with detailed knowledge to work confidently within all aspects of the telecommunications industry. Attendees will cover fibre type identification, splicing, network configurations, 1G to 100G transmission systems and OSI model of digital payloads. There are no pre-requisites needed to attend this course.

Course details:

Reference:
PROM
Delegate number:
10 (max)
Duration:
2 day
Hours:
9:30 - 4:30

Course Contents:

- **Introduction:** Optical fibre overview, Bandwidth demands and common terms
- **Physics of optical fibre networks:** Refraction, reflection, total internal reflection, nonlinear medium and signal effects
- **Propagation of light in optical fibre:** Attenuation, loss and dispersion
- **Types of optical fibre and cable types:** Multimode and single mode fibres, overview of various cables versions and manufacturing methods
- **Splicing and connectors:** Mechanical splicing, fusion, connector types
- **Optical fibre testing:** Visual and power, optical time domain reflectometry (OTDR), optical spectral analyser (OSA), measurement methods and results
- **Passive optical components:** Isolators, attenuators, couplers, splitters, circulators, filters, Mux/Demux, dispersion compensation
- **Active components:** Transmitters, receivers, amplifiers types and performance, tuneable filters, optical switches, wave selective switch
- **Network configuration:** Size and types used in data, transmission and mobile networks
- **Digital payloads types:** PDH, SDH, WAN, LAN, OTN, IP, ATM, Ethernet, Fibre channel
- **Laser eye safety:** Installation hazards and laser standards

Who should attend

- Senior executives
- Project managers
- Engineers
- Sales & Marketing
- Technical staff

How to Book

- www.phibre.co.uk
- harvypadda@phibre.co.uk

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OPTICAL FIBRE EXPERTS