

Thermography Course

A Thermography course comprising 40 hours of instruction in the theory, technology and application of thermography is offered through Newcastle Innovation, the commercial arm of the University of Newcastle.

Who: The course is for Thermography users in any field with emphasis on maintenance and fault detection in electrical distribution systems, mechanical systems, and for the electrical and building trades.

When: 08:15 hrs, Monday 28th November until 17:30 hrs, Friday 2nd November, 2011.



Where: Room PG03, Ground Floor, and Laboratory P103 1st Floor, Physics Building, University of Newcastle, University Drive, Callaghan NSW 2308.

<http://www.whereis.com/?id=7726060730652D>

The university map is provided and an inset detailing access to Physics is below.

Cost of the course: \$2,200 inclusive of GST

What to bring: Your thermography imager of any brand if you have one. Cameras will be available upon request for those who don't have an imager.

Instruction will be from a trained thermographer, Ganesh Ganeshkumar, a Physicist, John Holdsworth and a consulting engineer, Andrew Madry, with the schedule detailed below.

The course notes will be provided as will morning and afternoon tea and lunch.



Content: The course will cover material in sufficient depth to enable participants to apply for certification through the Australian Institute for Non-Destructive Testing (AINDT) as a level 1 thermographer. The Level 1 assessment requirements are:

An examination covering both theory and application.

A report detailing use of the imager in a practical assignment due 4 weeks after the conclusion of the course delivery.

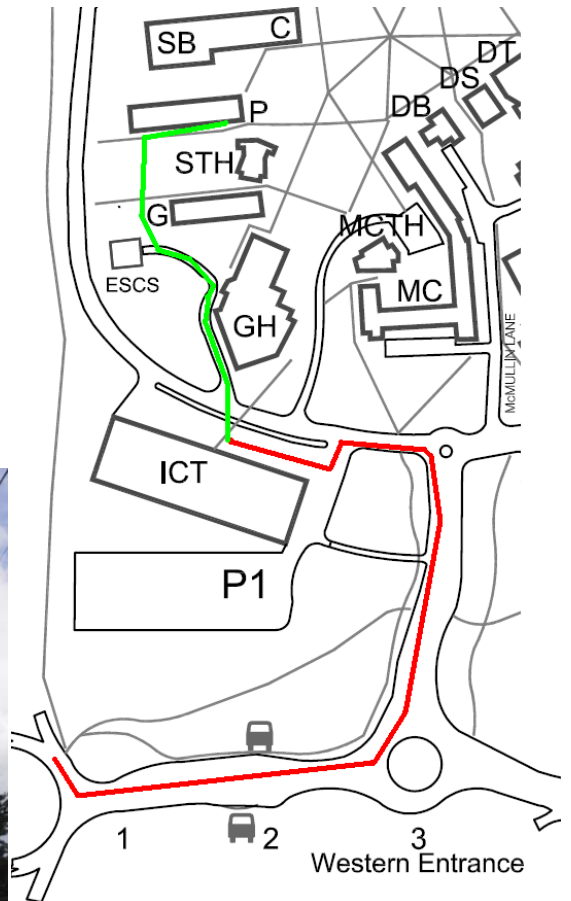
(The AINDT Certifying Board charges a fee separate to the cost of this course and may impose additional conditions towards certification at the discretion of AINDT. Further information may be sourced from AINDT; info@aindt.com.au).

Course Schedule.

	Monday	Tuesday	Wednesday	Thursday	Friday
Venue	PG03	PG03	Physics Labs P103	PG03	PG03
Instructor	Dr John Holdsworth	Mr Ganesh Ganeshkumar	Dr John Holdsworth	Dr Andrew Madry	Dr John Holdsworth
8:15-10:15	Introduction Registration Safety induction Thermodynamics	Practical Thermography	Experimental thermodynamics	Condition Monitoring	Review
10:15-10:30	Morning Tea				
Instructor	Dr John Holdsworth	Mr Ganesh Ganeshkumar	Dr John Holdsworth		Dr John Holdsworth Mr Ganesh Ganeshkumar
10:30-12:30	Thermodynamics + Radiation	Practical Thermography	Experimental thermodynamics	Field visit	Q&A
12:30-1:15	Lunch				
Venue	PG03	PG03	Physics Labs P103		PG03
Instructor	Mr Ganesh Ganeshkumar	Mr Ganesh Ganeshkumar	Dr John Holdsworth		Dr John Holdsworth
1:15-3:15	Thermal Applications	Practical Thermography and Report Generation	Review of experiments	Field visit	Exam
3:15-3:30	Afternoon Tea				
Instructor	Mr Ganesh Ganeshkumar	Dr John Holdsworth	Dr John Holdsworth	Dr Andrew Madry	Mr Ganesh Ganeshkumar
3:30-5:30	Thermal Imagers Functional operation	Radiation	Tutorials	Predictive Maintenance	Conclusion
Hours of instruction	8	8	8	8	8

This course is offered by a University of Newcastle staff member through Newcastle Innovation, formerly TUNRA (The University of Newcastle Research Associates), as the commercial arm of the University of Newcastle. Newcastle Innovation was incorporated in 1969 as a company limited by guarantee by the Council of The University of Newcastle. As a not-for-profit organisation, Newcastle Innovation's mission is to facilitate the transfer of knowledge, technology, and scientific research from the University of Newcastle to its commercial partners, thus creating economic value.

The Physics building is located on the western side of the campus with access from University Drive through the main western entrance. Pay the daily general parking ticket fee at the entrance and proceed to the car park. Proceed on foot up past the Great Hall and track around the Geology building to Physics. The venue is on the ground floor of the Physics building, room PG03.



Registration. Please register and pay with:

Newcastle Innovation
Industry Development Centre
University Drive, Callaghan NSW 2308, Australia
Phone: +61 2 4921 8777 Fax: +61 2 4921 8778
Email: innovation@newcastle.edu.au

Accommodation Options

Local Accommodation

(3-10 minutes drive to the University/Industry Development Centre (IDC))

Jesmond Executive Villas (Rating: 4 star)

187-193 Newcastle Road
Jesmond 2299
Ph: (02) 4955 5888
www.newcastleapartments.com.au

Travellers Motor Village (Rating: 4 star)

295 Maitland Road
Mayfield 2304
Ph: 1800 244 776

Sovereign Inn (Rating: 3 Star)

309 Maitland Road
Mayfield 2304
Ph: (02) 4968 4405
www.sovereigninn.com.au

Hanbury Lodge (Serviced Accommodation) (Rating: 2½ Star)

87 Hanbury Street
Mayfield 2304
Ph: (02) 4960 8212

Hospitality Motor Inn (Rating: 3 Star)

418 Maitland Road
Mayfield 2304
Ph: 1800 804 619

Mayfield Motel (Rating: 2 Star)

503 Maitland Road
Mayfield 2304
Ph: (02) 4968 2661

WESTS Executive Inn (Rating: 4½ Star)

10 Rugby Road
New Lambton 2308
Ph: (02) 4935 1100
www.executiveinn.com.au

Newcastle City Centre Accommodation (15-20 minute drive to the University/IDC)

Noah's on the Beach (Rating: 3½ Star)

Cnr Shortland Esplanade & Zaara Street
Newcastle 2300
Ph: (02) 4929 5181
www.noahsonthebeach.com.au

Capri Plaza Hotel (Travelodge) (Rating: 3½ Star)

Cnr King & Steel Streets
Newcastle 2300
Ph: (02) 4926 3777
www.capriplazahotel.com.au