

Accreditation & the University of Warwick Postgraduate Award in Clinical Oncology:

Participants attending the course can choose to register for the prestigious University of Warwick Postgraduate award (PGA) in Clinical Oncology. Those registered for the award will be required to successfully complete the following within 9 months of attending the event:

- home learning based on provided reading material
- submission of an essay (4,000 words) as coursework based on home learning.

The Warwick Postgraduate Award in Clinical Oncology is approved at Masters level under the Credit Accumulation and Transfer Scheme (CATS) and carries 20 CATS points at M-level. Please note that those wishing to register for this award must be graduates in an appropriate science discipline or show evidence of longstanding vocational experience. The course is also a recognised option of two University of Warwick Masters courses:- Masters in Health Sciences and Masters in Health Sciences (Palliative Care).

Content: The course will initially concentrate on the scientific background to cancer, identifying changes at the cell and molecular level during disease progression from a pre-malignant condition through a non-invasive state to malignancy. This session will outline how cell number control and cell position control are lost in cancer development. This foundation will be used as a platform to examine the clinical management of cancer, from surveillance and screening mechanisms for early detection of illness to a consideration of the various options for treatment. The course will culminate in a series of sessions on the pathology and management of specific cancers. A detailed breakdown of topics is given overleaf.

Venue: Warwick University is situated in a country setting 3 miles from Coventry on a large, scenic campus. There is easy access by road, rail (London – 75 minutes; Birmingham - 17 minutes) and air (Birmingham International Airport – 12 miles). The course lectures will be held in modern conference facilities within the School of Life Sciences. The course fee excludes accommodation, but a list of local hotels can be provided on request.

Enquiries to: Dr. Stephen Hicks (Short Courses)
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Tel (024) 7652 3540 Fax (024) 76523701 E-mail: s.j.hicks@warwick.ac.uk

To be held for the 9th time



course dates 9th - 13th July 2012

Clinical Oncology

A University of Warwick accredited course optionally leading to a Masters level University of Warwick Postgraduate Award in Clinical Oncology.

For hospital doctors, specialist nurse practitioners, oncology pharmacists, radiographers, GPs, other health care professionals and pharmaceutical industry personnel who wish to improve their understanding of the underlying science & clinical management of cancer.

Overview: This course is designed for all health care professionals and allied groups including pharmaceutical industry personnel. It aims to provide a firm grasp of the scientific principles underlying the pathophysiology of cancer, plus knowledge of the therapeutic options available for treatment.

The course provides a route to a qualification for health professionals who do not wish to embark upon a full Masters, whilst also acting as a specialist option for those committed to Masters study. Tutors will be drawn from the University of Warwick Medical School and School of Life Sciences, plus support from local NHS cancer units and recognised experts from the UK. A comprehensive course manual will be provided.

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Application Form: Closing date for applications: 19th June 2012

CLINICAL ONCOLOGY: MONDAY, 9TH JULY – FRIDAY, 13TH JULY 2012.

I WISH TO (please tick as appropriate).

- ATTEND THE COURSE WITHOUT ACCREDITATION: £625
- ATTEND THE COURSE AND ALSO REGISTER FOR THE UNIVERSITY OF WARWICK
 POSTGRADUATE AWARD IN CLINICAL ONCOLOGY *: £895

* Note: Those wishing to register for the Postgraduate Award must also formally register with the University via the Postgraduate Admissions Office or using the on-line registration form at <http://www.warwick.ac.uk/go/pgapply> A hard copy registration package is available on request.

Name.....

Address.....

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.....Post Code.....

E-mail.....Tel.....

Institution.....

To Register: Return completed form with either (i) the full fee or a deposit of £150 (cheques payable to "University of Warwick") or (ii) an order number with invoicing details. The balance of the course fee is required by 30 June 2012. A list of local hotels can be provided on request. **Cancellation charges:** The £150 deposit for the course is non-returnable after 19th June 2012. The balance of the course fee is required by 30 June 2012 and no refund is possible for bookings withdrawn after this date.

Course content: The course will introduce the scientific background of cancer development and tumour spread. The second part of the course will provide a clinical perspective of the diagnosis and treatment of cancer. The 4th day will concentrate on the pathology and management of specific cancers. The course will conclude with a problem-based learning session. Topics will include:

Cancer of the cell: The cell cycle and cell proliferation; Role of growth factors; Oncogenes & tumour suppressor genes; Molecular & cellular aspects of cell senescence & apoptosis.

Tumour classification, development & spread: Benign & malignant neoplasia; Angiogenesis; Biology of metastasis; Sites for secondary tumours.

Epidemiology of cancer & factors influencing cancer development: Statistical & computer methods applied to oncology; Establishing cause and incidence; Importance of environmental factors in carcinogenesis; Hormones & infectious agent carcinogenesis; Genetics & inherited susceptibility; Cancer registries.

Diagnosis of cancer: Cancer screening & early detection; Use of tumour markers, genetic tests; Cytological examination of body fluids; Imaging techniques; Other diagnostic techniques.

Treatment & control of cancer: Post diagnosis assessment of the patient & planning of therapy; Surgery; Staging & grading; Adjuvant therapy; Treatment of advanced cancer; Oncological emergencies.

Cancer radiotherapy: Role of radiotherapy in cancer treatment; Interaction of ionising radiation with living systems; Tumour radiobiology; Radiation pathology; Legal regulations.

Cancer chemotherapy: Use of cytotoxic, hormonal & biological-response modifying agents; Pharmacokinetics; Dose intensity; Timing; Targetted therapy; Toxicity of chemotherapy.

Drug design & mechanisms of drug action: Empirical development of anticancer therapeutic products; Drug resistance & strategies to overcome it; Clinical trials; Immunopharmacology; Designer drugs.

Pathology & management of specific cancers: Case study discussions to include breast, large bowel, lung, haematological, testicular & skin cancers.

New techniques & future treatments: Non-pharmacological relief of symptoms; Gene therapy; Cancer vaccines.