



Short Course Catalogue School of Computing Sciences 2011-2012

The programme

Our short courses programme provides a range of courses designed to help businesses and other organisations improve their skills and capacity to analyse and obtain value from their data. Each course has full supporting notes and other documentation. A certificate of completion will be issued by the School of Computing Sciences, University of East Anglia.

Details of upcoming courses can be found at www.uea.ac.uk/cmp/short-courses. We can also offer customised or onsite delivery of courses. To discuss this further, please contact Sue Johnson in the first instance.

Course catalogue

Business Organisation: an overview

As businesses and other organisations grow they develop ways of doing their work and coordinating activities. However, over time, as the organisation grows and evolves, these processes often become inadequate or inappropriate. At this stage, the development of the business may be hindered or stopped by its processes. This short course gives an overview of the issues and techniques that can be used to change and reorganise an organisation's processes to help it develop and grow.

Data mining and Analysis: an overview

Most businesses and other organisations have large amounts of data that could be very valuable - if only it was suitably organised and analysed. We need tools to transform large amounts of real world (often messy) data into information that can support decision making and ultimately increase benefits.

Dependence modeling using multivariate copulas with applications

Multivariate data abound in many applications including insurance, risk management, finance, biology, health and environmental sciences. Copulas are a powerful approach to modelling multivariate data as they account for the dependence structure and provide a flexible representation of the multivariate distribution. Furthermore, for copulas the dependence properties can be separated from their marginal properties and multivariate models with marginal densities of arbitrary form can be constructed,

allowing a wide range of possible association structures. This two day course is intended for anybody wanting to understand copulas and how they can be used in dependence modeling.

Introduction to computer security

The digital revolution has affected virtually all aspects of our lives and brought many benefits. However, it has also led to new crimes and new ways to commit old crimes. This one day overview is designed to give managers an overview of computer security threats, responses and legislation. The course gives an overview of the major aspects of computer security and how it impacts business.

Knowledge discovery and data mining overview

Data mining offers a set of tools to extract useful information from large, often messy, data sets. This course will explore some of those tools and will give the participants ideas and insights for how data mining could be used to improve decision making processes. This one-day overview is ideal for anybody wanting an overview of the methodology and techniques for the analysis of large data resources.

Knowledge discovery and data mining (5 day)

This five-day course is suitable for those wishing to gain a detailed understanding of the stages of a typical Knowledge Discovery and Data mining project and the key techniques used in data mining. The focus of the course will be the application of KDD techniques in the financial services sector. The course will give participants the opportunity to learn the basics about the Knowledge Discovery and Data mining (KDD) process but will also go on to explore some of the data mining tasks in more detail. The course is ideal for staff involved in the analysis of data who want to learn more about the tools and techniques available of data mining.



Course information

Detailed joining instructions, including a map, will be sent to all participants 10 - 14 days prior to the commencement of the course. While every attempt will be made to ensure the material arrives in time, it is the participants' responsibility to contact the University of East Anglia Centre for Professional Development if no information has been received.

Accommodation

Single bedroom accommodation is available in local hotels within walking distance of the University. University guest accommodation may be available, from £56 per night. This is additional to the course fee and participants are responsible for payment of their own accommodation bills.

Car parking

Parking on the UEA Norwich site is available at £6/day, but availability is limited during semester time. Alternative parking is available at the Costessey Park & Ride site, with a regular bus service to UEA.

For further details and reservations, please contact:

Broadview Lodge

University of East Anglia

Norwich Research Park

Norwich NR4 7TJ

Tel: +44 (0) 1603 591918, Fax: +44 (0) 1603 591930;

Web: www.broadviewlodge.co.uk

Cancellations and refunds

A 10% administration fee will be charged for cancellations made up to two weeks prior to the start of the course. Cancellations thereafter will be liable to the loss of the full fee. Notice of cancellation must be given in writing by letter or fax and action will be taken to recover, from the delegates or their employers, that proportion of the fee owing at the time of cancellation.

SYS Consulting Ltd reserves the right to cancel an advertised course at short notice. It will endeavour to provide participants with as much notice as possible, but will not accept liability for costs incurred by participants or their organisations for the cancellation of travel arrangements and/or accommodation reservations as a result of the course being cancelled or postponed. If a course is cancelled, fees will be refunded in full. We also reserve the right to postpone or make such alterations to the content of a course as may be necessary.

Registration

Bookings can be made online or by contacting us directly.

Sue Johnson

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www.uea.ac.uk/cmp/short-courses



The School of Computing Sciences' short courses will provide busy professionals with relevant work skills that can immediately and easily be applied in practice.