



Short Courses in Requirements Engineering



The following short courses will be delivered in Bristol as part of the Continuing Professional Development in Aerospace Programme. Each course is available as a 'Stand-Alone' course or can be 'Mix & Matched' to suit individual requirements.

The cost per course is:

Attendance on 1 course: £300

Attendance on 2 courses: £500

Attendance on 3 courses: £700

Attendance on 5 day course (D10): £1345 or £1105

Day 1: Introduction and Orientation to Requirements Monday 15th September 2008

This course will provide an introduction to requirements and what they are. It will overview what the requirements process is and how the process relates to system engineering and software engineering. The course will examine the rationale underlying the need for requirements and what a requirement is. The types of requirement that exist, including non functional requirements will be considered. The characteristic features of a requirement will be explored in the light of both desirable and undesirable properties.

The course would be suited to:

- Practitioners with little experience in requirements as an introduction to the subject
- Those requiring a refresher
- Those requiring a short overview of the subject

The course will involve a mixture of lectures, group discussions, and practical exercises and will provide a supportive platform for participants to trade experiences with others.

Day 2: Introduction to Requirements Engineering Tuesday 16th September 2008

This course will overview and examine the requirements engineering process. It will look at the main component stages of the requirements engineering process from capture to documentation: Elicitation, Analysis, and Specification and suitable approaches to support them. The validation of requirements and associated techniques will be examined and the management of requirements will be discussed.

The course would be suited to:

- Practitioners with none or little experience in the requirements capture, elicitation and specification processes
- Those with none or little experience in the requirements engineering process as an introduction to the subject
- Those requiring a refresher about requirements engineering
- Those requiring an overview of the subject

The course will involve a mixture of lectures, group discussions, practical exercises and participants will have the opportunity to discuss and share their own experiences with others.



Short Courses in Requirements Engineering

Role-playing simulation game for practitioners Provisional date: Tuesday 7th November (TBC)

Working in teams you will engage in the complete process of converting a classically imperfect set of user requirements into a useable form, engaging in constructive negotiation along the way to iron out the odd little wrinkle, to enable you to deliver a system to specification (or not!!). The problem is set in a commercial context:

Overview

The workshop is structured as a practical exercise. The participants are split to form two competing teams. Through the course of the day the competition is to see which team can earn the most money. The biggest determinant of who wins is the manner in which each team uses requirements.

The day is an intense and time pressured, yet light-hearted, experience. In the morning the teams act as prime contractors on two different products related to the Centistani industry of mining marbles. They elicit requirements from a variety of sources and prepare a set of requirements that are delivered to a subcontractor. In the afternoon the teams act as those subcontractors; they build and install the product in Centistan and demonstrate it to the prime contractor. As the last part of the exercise, the prime contractor then has to "sell" the product to the original customer. Finally, the successes and failures experienced by the teams are discussed.

Course Bookings

To book a place on these courses please contact the CPDA Office via email:
Rachel.Phelon@Bristol.ac.uk
or Tel: 0117 954 5665.

Module Leader

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