Technology Neutral Analysis and Design Using UML and URDAD
Presented by the Department of Computer Science, University of Pretoria

The Technology Neutral Analysis and Design Using UML and URDAD short course will provide you with the requisite knowledge and know-how of the URDAD methodology for service-orientated technology neutral analysis and design, specifically with a focus on scoping, capturing functional and non-functional requirements for a service, use-case/services-contract specification, responsibility allocation, and (business) process specification. During the course, you will also gain hands-on practice by generating documentation from a URDAD/UML model.
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Course content

- Functional and non-functional requirements elicitation and specification
- Specifying service contracts (incl. inputs and outputs) as well as the pre- and post-conditions and quality of service requirements for required services
- Specifying technology neutral data structure
- Responsibility allocation

Learning outcomes

After successfully completing this course, you will be able to

- identify stakeholders and how to elicit, specify, manage and validate functional and non-functional stakeholder requirements
- specify services contracts including the inputs and outputs as well as the pre- and post-conditions and quality of service requirements for required services
- design and document data structures in a technology neutral way using UML class diagrams
- specify responsibility domains and assign services to services contracts that are assigned to responsibility domains
- specify (business) processes in a technology neutral way by assembling higher level services from lower level services available to your organisation.

Who should enrol?

This course is ideal for you if you are in the running to be employed as a business analyst or developer in your respective place of work.

Course fees

R11 847.30 per delegate (VAT incl.)
Course fees include all course material and refreshments during contact days.

Course fees must be paid in full 14 days prior to course start dates. Proof of payment can be submitted to enrolments@enterprises.up.ac.za.

Admission requirements

Prospective delegates should at least have a bachelor's degree or similar qualification in the field of Computer Science.

Accreditation and certification

Enterprises University of Pretoria (Pty) Ltd is wholly owned by the University of Pretoria. The University is registered as a multipurpose, public training provider in the higher education and training band. Delegates who successfully complete a course and comply with the related assessment criteria are awarded certificates by the University in recognition of their professional skills development.

Registration and enquiries

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