

---

# Internet Oriented Systems

## Finalità

The goal of the course is to provide an in-depth knowledge on the issues connected with the enterprise application integration and in particular on the service-orientation paradigm within the context of Web services

## Programma

Introduction to architectural solutions for enterprise applications. Integration issues and “traditional” approaches. Analysis of the service-orientation paradigm. Introduction to web services. Simple Object Access Protocol (SOAP). Web Services Description Language (WSDL). XML Registries and Universal Description, Discovery and Integration (UDDI). Web Services security aspects. Semantic Web Services: the SAWSDL specification. Introduction to Business Process Management. Business process modelling: UML Activity Diagram, BPMN, WSBPEL.

## Attività d'esercitazione

Laboratory lessons have the goal of providing a good knowledge on web services and in general on the e commerce technology through the design and realization of software systems using Java language.

## Modalità d'esame

Students evaluation is based on a coursework and an oral exam.

## Testi consigliati

• M. Fowler - Patterns of Enterprise Application Architecture - Addison Wesley (2002)

• Thomas Erl - SOA Principles of Service Design - Prentice Hall (2007)