# ActiveMQ course Outline

* Introduction to Messaging
  + What is messaging
  + What problems does Messaging solve
  + What types of Messaging systems exist
* Getting Started with ActiveMQ
  + What is ActiveMQ
  + How is ActiveMQ used in the enterprise
  + Downloading and Installing ActiveMQ
  + Standard administration: start / test/ monitor / stop
  + Basic configuration concepts
* Understanding ActiveMQ
  + Architecture
  + Relation to Java and other technologies
  + Key concepts
  + Brokers, Transports, and Topologies
* Developing a Basic Solution
  + Choosing a Topic or a Queue
  + Creating a consumer
  + Creating a producer
  + Running the solution
* Configuration
  + Required libraries
  + Optional libraries
  + Configuring Brokers
  + Configuring Transports
  + Working with an embedded broker
* Working with ActiveMQ Features
  + Clustering support
  + JMX
  + JMS to JMS Bridge
  + Persistence support
  + Security
* Integration with other Technologies
  + Java
  + Web Services
  + Frameworks, like Spring
* Performance Tuning
  + Performance Tuning concepts
  + JVM Performance Tuning
  + Async publishing
  + Defining pre-fetch sizes
  + Other tunings