Instructor Information

Instructor
Esmaeil Sadeghi

Email
EsmaeilSadeghi.Job@gmail.com

Office Location & Hours
Tehran, 4 hours a week

Required
Java SE.

Course Schedule

Week	Topic	Description
Week 1	Introduction	Overview, Using the Tutorial Examples
Week 2	Platform Basics	Resource Creation, Injection, Packaging
Week 3	The Web Tier	Getting Started with Web Applications, JavaServer Faces Technology (JSF), Introduction to Facelets, Expression Language, Using JSF in Web Pages, Using Converters, Listeners, and Validators, Developing with JSF, Using Ajax with JSF, Composite Components: Advanced Topics and an Example, Creating Custom UI Components and Other Custom Objects, Configuring JSF Applications, Java API for WebSocket, JSON Processing, Internationalizing and Localizing web Applications
Week 4	Bean Validation	Introduction to Bean Validation, Bean Validation: Advanced Topics
Week 5	Contexts and Dependency Injection for Java EE	Introduction to Contexts and Dependency Injection for Java EE, Running the Basic Contexts and Dependency Injection Examples, Context and Dependency Injection for Java EE: Advanced Topics, Running the Advanced Contexts and Dependency Injection Examples
Week 6	Web Services	Introduction to Web Services, Building Web Services with JAX-WS and JAX-RS, Accessing Rest Resources with the JAX-RS Client API, JAX-RS: Advanced Topics and an Example
Week 7	Enterprise Beans	Enterprise Beans, Getting Started with Enterprise Beans, Running the Enterprise Bean Examples, Using the Embedded Enterprise Bean Container, Using Asynchronous Method Invocation in session beans
Week 8	Persistence	Introduction to the Persistence API, Running the Persistence Examples, The Java Persistence Query Language, Using the Criteria API to Create Queries, Creating and Using String-Based Criteria Queries, Controlling Concurrent Access to Entity Data with Locking, Creating Fetch Plans with Entity Graphs, Using a Second-Level Cache with Java Persistence API Applications,
Week 9	Messaging	Java Message Service Concepts, Java Message Service Examples,
Week 10	Security	Introduction to Security in the Java EE Platform, Getting Started Security Web Applications, Getting Started Securing Enterprise Applications, Java EE Security: Advanced Topics
Week 11	Java EE Supporting Technologies	Transactions, Resource Adapters and Contracts, The Resource Adapter Examples, Using Java EE Interceptors, Batch Processing, Concurrency Utilities for Java EE
Week 12	Case Studies	Duke's Bookstore / Tutoring / Forest Case Study Example,