Collin College - Continuing Education

COURSE SYLLABUS

COURSE INFORMATION

Course Number: JAVA 6485

Course Title: Introduction to Hibernate

Course Description: Learn how to use Hibernate to do Object-Relational mapping (ORM) from Java classes to database tables; and Java data types to SQL data types. Use Hibernate with other open source tool; MySQL and Eclipse. Explore the data query and retrieval facilities and reduce your development time otherwise spent with manual data handling in SQL and JDBC

Suggested Course Prerequisite(s): Java Programming II or equivalent experience.

Course Resources: Text book

Student Learning Outcomes: Learn how to implement ORM using Hibernate. Explore the facilities available in Hibernate including retrieval and data persistence. Use Hibernate with other open source tools. Implement a Data Access Object (DAO) layer in Hibernate

Certification Notes: N/A

Next course recommendation: Introduction to Spring

Refund Policy: Please refer to www.collin.edu/ce/inforegistrar.html for our refund policy. No refunds after the start time of the first class.

Americans with Disabilities Act: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal opportunity. It is the student’s responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current Collin Student Handbook for additional information.

Course Sessions: Listed are guidelines to indicate all topics that will be covered during your course. Do not plan your personal calendar based on these sessions. Your instructor will give you a calendar for your class that will indicate specific topics, assignments, and days.
Lesson Plan – by week or session:

**Session 1**: Starting with Hibernate Basic Mapping and Object Identity Component Mapping

**Session 2**: Inheritance and Custom Mapping Many-to-One and One-to-Many Mapping Collection Mapping

**Session 3**: Many-Valued Associations HQL and JPA Query Language Querying with Criteria and Example Working with Objects

**Session 4**: Batch Processing and Native SQL Cashing in Hibernate Transactions and Concurrency Web Applications

**Method of Evaluation**: Unless otherwise stated, course completion is evaluated on the basis of attendance. Students must be in attendance 90% of each course in a certificate series for successful completion and to earn a certificate as specified.