Course Title: Introduction to Spring

Course Description:
Discover how the Spring Framework simplifies and improves Java application development with a consistent architectural framework. Learn how Spring is designed and how to use the different parts of the framework. Learn how to reduce development effort.

Course Prerequisite(s):
Java II

Recommended:
Java Web Applications 1

Course Objectives:
Upon completion, you will:
- Understand current best practices for Java development
- Understand the basic principles of dependency injection
- Be able to use the Spring framework container to develop in any Java environment
- Be able to use the JDBC & ORM abstraction layers to simplify database access.
- Understand the basics of Aspect-oriented programming (AOP)
- Be able to use the AOP framework to declare transactions.

Textbook(s):
Spring in Action 3rd Edition
Walls; Manning Publications
ISBN: 978-1-935182-35-1

Next Class Possibilities:
Spring MVC, Introduction to Hibernate

Lesson Plan – by week or session
Session 1: Spring overview, setting up Spring environment . dependency injection
Session 2: Plain old Java object (POJO) paradigm, Bean Wiring
Session 3: Aspect-oriented programming (AOP) with Spring
Session 4: Data Persistence with Spring, Transactions 1
Session 5: Data Persistence with Spring, Transactions 2
Session 6: Other Spring Components