

**MAHARISHI INTERNATIONAL UNIVERSITY**  
**CS544 – Enterprise Architecture**  
*The Field of All Possibilities is the Source of All Solutions*  
*Frameworks and Best Practices Used in Developing Large-Scale Software Solutions*

**Course Overview Chart**

WEEK		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>WEEK ONE</b>  <b>THEME I</b>  <b>ORM &amp; Hibernate</b>	<b>AM</b>	Introduction	Entity Mapping & Persistence	Associations & Collections	Inheritance & Complex Mapping	HQL & Concurrency	Concurrency & Optimization
	<b>PM</b>	Environment Setup	Lab	Lab	Lab	Lab	Optional Lab
	<b>Eve</b>	Review Slides	Review Slides	Review Slides	Review Slides	Review Slides	Rest
<b>WEEK TWO</b>  <b>THEME II</b>  <b>Spring Basics</b>	<b>AM</b>	Spring Container & DI	Service Layer & AOP in Spring	Hibernate Applications	Spring/Hibernate Integration	Transactions & Scheduling	Review for Exam
	<b>PM</b>	Lab	Lab	Lab	Lab	Lab	Review for Exam
	<b>Eve</b>	Review Slides	Review Slides	Review Slides	Review Slides	Review Slides	Review for Exam
<b>WEEK THREE</b>  <b>THEME III</b>  <b>Spring Advanced</b>	<b>AM</b>	Exam	Spring MVC & Spring Boot	Spring Cloud Services	Security & Validations in Spring	RMI & JMS Asynchronous Apps	Introducing Course Project
	<b>PM</b>	Rest	Lab	Lab	Lab	Lab	Rest
	<b>Eve</b>	Rest	Review Slides	Review Slides	Review Slides	Review Slides	Rest
<b>WEEK FOUR</b>  <b>THEME IV</b>  <b>Project</b>	<b>AM</b>	Project	Project	Project	Final Presentation		
	<b>PM</b>	Project	Project	Project	Final Presentation		
	<b>Eve</b>	Project	Project	Project			