

# MAHARISHI INTERNATIONAL UNIVERSITY

## CS390 – Fundamental Programming Practices

*The Field of All Possibilities is the Source of All Solutions*

*Basic Principles and Practices Used in Software Programming with Java Language*

### Course Overview Chart

WEEK		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>WEEK ONE</b>  <b>THEME I</b>  <b>Object-Oriented Programming</b>	AM	Lesson 1: Introduction to Java and the Eclipse Development Environment	Lesson 2 (continued)	Lesson 3: Objects and Classes	Lesson 3 (continued)	Lesson 4: Inheritance and Polymorphism	Lesson 4 (continued)
	PM	Lesson 2: Fundamental Programming Structures in Java Lab	Lab	Lab	Lab	Lab	Lab
	Ev	Review Slides	Review Slides	Review Slides	Review Slides	Review Slides	Rest
<b>WEEK TWO</b>  <b>THEME II</b>  <b>GUI and more!</b>	AM	Lesson 5: Inner Classes	Lesson 6: Building GUIs in Java with Swing	Review for Midterm	Study at home for Midterm	Midterm Exam	Lesson7: Recursion Lesson 10: Binary Search Trees
	PM	Quiz 1	Quiz 2 Review points for midterm	Study at home for Midterm	Study at home for Midterm		Lab
	Ev	Study for Midterm	Study for Midterm	Rest	Review Slides	Review Slides	Review Slides

<b>WEEK THREE</b> <b>THEME III</b> <b>Data Structures</b>	AM	Lesson 8: Lists	Lesson 8: (continued)	Lesson 9: Stacks and Queues	Lesson 11: Hashtables	Lesson 12: Exception Handling	Lesson 13: I/O, Databases
	PM	Lab	Lab	Lab	Lab	Study for Final	Rest
	Ev	Review Slides	Review Slides	Review Slides	Study for Final	Study for Final	Rest
<b>WEEK FOUR</b> <b>THEME IV</b> <b>Final</b>	AM	Review points for midterm	Study at home for Midterm	Study at home for Midterm	Final Exam		
	PM	Lab	Study at home for Midterm	Study at home for Midterm			
	Ev	Project	Project	Rest	Rest		