MAHARISHI UNIVERSITY OF MANAGEMENT

CS-401 Modern Programming Practices
The Field of All Possibilities is the Source of All Solutions

Course Overview Chart

WEEK		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
WEEK ONE **THEME I** **OOAD**	AM	**Lesson 1: The OO Paradigm for Building Software Solutions** *Unlocking the Blueprint of Creation*	**Lesson 2: [Lab 1 due 10 AM] Associations among Objects and Classes** *Diversifying Self-Referral relationship to the world of objects*	**Lesson 3: [Lab 2 due 10 AM] Inheritance and Composition** *Reflecting the Whole in the Part*	**Lesson 4: [Lab 3 due 10 AM] Interaction Diagrams** *Appreciating Dynamism in Silence*	**Lesson 5: [Lab 4 due 10 AM] Inheritance and Abstractions** *Engaging Abstract Levels to Enrich Life*	**Lesson 6, Part I: [Lab 5 due 10 AM] Introduction to JavaFX** *The ultimate provider of tools for the creation*
	PM	Lab 1: Discussion	Lab 2: Lab 1 Solution & Lab 2 Discussion	Lab 3: Lab 2 Solution & Lab 3 Discussion	Lab 4: Lab 3 Solution & Lab 4 Discussion	Lab 5: Lab 4 Solution & Lab 5 Discussion	
	Eve	**Study of Lesson 1 and homework completion**	**Study of Lesson 2 and homework completion**	**Study of Lesson 3 and homework completion**	**Study of Lesson 4 and homework completion**	**Study of Lesson 5 and homework completion**	**Study and practice week1 topics**
WEEK TWO **THEME II** **OOAD**	AM	**Lesson 6, Part II: JavaFX and SceneBuilder**	**Project**	**Project**	**Project Presentation**	**Review Points for Midterm**	**Midterm Examination**
	PM	**Design Workshop and Project**	**Project**	**Project**	**Project Presentation**		
	Eve	**Project Work**	**Project Work**	**Project Work**	**Study for Midterm**	**Study for Midterm**	

WEEK		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
WEEK THREE THEME III **OOP**	**AM**	**Lesson 7:** **Interfaces in Java 8 and the Object Superclass** *Object as the Superclass of All*	**Lesson 8:** **[Lab 7 due 10 AM]** **Functional Programming in Java** *Commanding All the Laws of Nature from the Source*	**Lesson 9:** **[Lab 8 due 10 AM]** **The Stream API** *Solving Problems by Engaging Deeper Values of Intelligence*	**Lesson 9:** **(continued)**	**Lesson 10** **[Lab 9 due 10 AM]** **Generic Programming** *Weaving the Universal into the Fabric of the Particular*	**[Lab 10 due 10 AM]** **Lab 10 solutions** **Review** **Quiz – 2**
	PM	Lab 7 : Discussion	Lab 8: Lab 7 Solution & Lab 8 Discussion	Lab 9: Lab 8 Solution & Lab 9 Discussion	Lab 9: Some Lab 9 solutions, The Rest of Lab 9	Lab 10: Lab 9 Solution & Lab 10 Discussion	
	Eve	**Study of Lesson 7 and homework completion**	**Study of Lesson 8 and homework completion**	**Study of Lesson 9 and homework completion**	**Study of Lesson 9 and homework completion**	**Study of Lesson 10 and homework completion**	**Study and practice week3 topics**
WEEK FOUR THEME IV **OOP**	**AM**	**Lesson 11** **Unit Testing and Exception Handling** *Progress through Purification of the Path*	**Review points for final** **Lab 11 solutions**	**Review for Final exam**	**Final Examination**		
	PM	Lab 11 : Discussion	**Review points for final**		**Final Common Programming Test**		
	Eve	**Study of Lesson 11 and homework completion**	**Study for Final**	**Study for Final**			