



Module Presenter's Manual *for* **UI/UX for Responsive Web Design**

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Ver. 1.0***

Amendment Record

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1.0	March 2023	New	-

Table of Contents

Sr. No.	Details	Page No.
1.	Introduction	1
2.	Information on Session Allocation	2
3.	Week-wise Session Schedule	3
4.	Session Coverage	4
5.	Library References	8

1. Introduction

At the end of this course, students will be able to:

- Define User Interface (UI) and User Interface design
- Describe the principles of User Interface Design
- Describe the types of User Interface Design
- Describe the models in User Interface Design
- Define Mobile User Interface
- Explain Color Theory
- Define User Experience (UX) and User Experience Design
- Describe the difference between UI and UX
- Describe different elements of UX Design
- Explain the significance of UX
- List and explain the principles of User Experience Design
- Describe the best practices in User Experience Design
- Describe the UX design process
- Distinguish between a good and bad UX design
- Define Responsive UI design
- Describe the evolution of RWD
- Describe the importance of Progressive Enhancement
- Outline the differences between Graceful Degradation and Progressive Enhancement
- Explain the RWD Workflow
- Describe the significance of RWD
- Explain the strategies for RWD in mobile phones, Android based devices, and laptops
- Describe necessity for content strategy in RWD
- Describe importance of content audit
- Explain performance optimization for a mobile-friendly site
- Explain differences between responsive and adaptive Website designs
- Use design best practices for Web accessibility
- Define Breakpoints
- Describe Navigation Drawers
- Describe Stacked Pagination
- Explain Fluid Images
- Define Bottom Bar and Top Bar
- Define Front Action Calls
- Explain the importance of usability studies
- List the steps for testing in usability studies
- Describe usability studies for Responsive Web Design
- Identify the usage of the Figma Tool
- List the steps to set up a Figma Account
- Explain the Figma interface
- Describe how to manage Figma Components
- Explain the process to create a first design in Figma
- Identify the UI sections of a Website
- Describe the Figma Auto Layout feature
- Define dynamic content in Figma
- Identify and build the components of Website
- Explain how to use Figma with HTML plugin

2. Information on Session Allocation

Module	Online (No. of Hours)	Self-Study (No. of Hours)
UIUX	16	8

Throughout this Presenter's Manual, the module **UI/UX for Responsive Web Design** will be referred to as **UIUX**.

3. Week-wise Session Schedule

- A Session is of 2 hours duration.










➤ Week-Wise Schedule

Week	Day 1	Day 2		Day 3	Day 4	
1	Session 1 UIUX – TL1	Session 2 UIUX –TL2	S1	Session 3 UIUX – TL3	Session 4 UIUX – TL4	S2
2	Session 5 UIUX – TL5	Session 6 UIUX – TL6	S3	Session 7 UIUX – TL7	Session 8 UIUX – TL8	S4

TL: Online Session

S: Self Study (over and above the module duration)

Resources available on OnlineVarsity for Students:

Icons	Feature - Description/Functionality
	Download Book - Student has the option to download the subject related e-book and read offline.
	Glossary - Student can access a list of subject related specialized words with their definitions.
	FAQ - Student can access frequently asked questions and their answers.
	Show Me How - Student can view a step-wise simulation/demonstration of the module related topics.
	Practice 4 Me - Student can test and evaluate their understanding of module related topics.
	Work Assignments - Student can solve scenario based lab assignments (Hands-on). The faculty will evaluate and give their feedbacks.
	References - Student can access additional subject related material for reading.
	Feedback - Student can provide feedback on the course material.
	Ask to Learn – Student can submit subject related technical queries. Queries submitted will be directed to the particular course coordinator/head.

4. Session Coverage

Session No.	Session Title	Session Details	Deliverables' Mapping
1	UIUX – TL1	<p>All the topics as listed below from Session 1 and Session 2 of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session.</p> <p><u>Session 1 – Introduction to User Interface Design</u></p> <ul style="list-style-type: none"> ➤ Define User Interface (UI) and User Interface design ➤ List and explain different elements of User Interface Design ➤ Describe the principles of User Interface Design ➤ Describe the types of User Interface Design ➤ Explain the User Interface Design process ➤ Describe the models in User Interface Design ➤ Define Mobile User Interface ➤ Explain Color Theory ➤ Understand the concepts of Design Thinking ➤ Use the best practices in UI Design <p><u>Session 2 – Introduction to User Experience Design</u></p> <ul style="list-style-type: none"> ➤ Define User Experience (UX) and User Experience Design ➤ Describe the difference between UI and UX ➤ Describe different elements of UX Design ➤ Explain the significance of UX ➤ List and explain the principles of User Experience Design ➤ Describe the best practices in User Experience Design ➤ Describe the UX design process ➤ Distinguish between a good and bad UX design 	<p><u>Elegant and Effective Web Design with UI and UX</u></p> <p>SG – Session 1 & 2 XP – Session 1 & 2 TG – Session 1 & 2</p>
2	UIUX – TL2	<p>All the topics as listed below from Session 3 of <i>Elegant and Effective</i></p>	<u>Elegant and Effective Website Design</u>

Session No.	Session Title	Session Details	Deliverables' Mapping
		<p><i>Website Design with UI and UX</i> book should be covered in this session.</p> <p><u>Session 3 – Understanding Responsive Web Design</u></p> <ul style="list-style-type: none"> ➤ Define Responsive UI design ➤ Describe the evolution of RWD ➤ Describe the importance of Progressive Enhancement ➤ Outline the differences between Graceful Degradation and Progressive Enhancement ➤ Explain the RWD Workflow ➤ Describe the significance of RWD 	<p><u>with UI and UX</u></p> <p>SG – Session 3 XP – Session 3 TG – Session 3</p>
	S1	<p>All the Assignment topics from <i>Session 1</i> to <i>Session 3</i> of <i>Elegant and Effective Website Design with UI and UX</i> course should be covered in this session.</p>	<p><u>Elegant and Effective Website Design with UI and UX (OnlineVarsity)</u></p> <p>Session 1-3</p>
3	UIUX – TL3	<p>All the topics as listed below from <i>Session 4</i> and <i>Session 5</i> of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session.</p> <p><u>Session 4 – Understanding Strategies for Responsive Web Design</u></p> <ul style="list-style-type: none"> ➤ Explain the strategies for RWD in mobile phones, Android based devices, and laptops ➤ Describe necessity for content strategy in RWD ➤ Describe importance of content audit ➤ Explain performance optimization for a mobile-friendly site ➤ Explain differences between responsive and adaptive Website designs ➤ Understand concept of Web accessibility 	<p><u>Elegant and Effective Website Design with UI and UX</u></p> <p>SG – Session 4 & 5 XP – Session 4 & 5 TG – Session 4 & 5</p>

Session No.	Session Title	Session Details	Deliverables' Mapping
		<ul style="list-style-type: none"> ➤ Use design best practices for Web accessibility <p><u>Session 5 – Using Common RWD Patterns in Mobile Designs</u></p> <ul style="list-style-type: none"> ➤ Define Breakpoints ➤ Describe Navigation Drawers ➤ Describe Stacked Pagination ➤ Explain Fluid Images ➤ Define Bottom Bar ➤ Describe Top Bar ➤ Define Front Action Calls ➤ Explain Short and Simple Menus 	
4	UIUX – TL4	<p>All the topics as listed below from Session 6 of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session.</p> <p><u>Session 6 – Usability Studies in Responsive Web Design</u></p> <ul style="list-style-type: none"> ➤ Describe usability studies ➤ Explain the importance of usability studies ➤ List the steps for testing in usability studies ➤ Describe usability studies for Responsive Web Design 	<p><u>Elegant and Effective Website Design with UI and UX</u></p> <p>SG – Session 6 XP – Session 6 TG – Session 6</p>
	S2	<p>All the Assignment topics from Session 4 to Session 6 of <i>Elegant and Effective Website Design with UI and UX</i> course should be covered in this session.</p>	<p><u>Elegant and Effective Website Design with UI and UX (OnlineVarsity)</u></p> <p>Session 4-6</p>
5	UIUX – TL5	<p>All the topics as listed below from Session 7 of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session.</p> <p><u>Session 7 – Understanding the Figma Tool</u></p> <ul style="list-style-type: none"> ➤ Identify the usage of the Figma Tool ➤ List the steps to set up a Figma Account 	<p><u>Elegant and Effective Website Design with UI and UX</u></p> <p>SG – Session 7 XP – Session 7 TG – Session 7</p>

Session No.	Session Title	Session Details	Deliverables' Mapping
		<ul style="list-style-type: none"> ➤ Explain the Figma interface ➤ Describe how to manage Figma Components ➤ Explain the process to create a first design in Figma 	
6	UIUX – TL6	All the Lab topics from Session 7 of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session.	<u>Elegant and Effective Website Design with UI and UX</u> Session 7
	S3	All the Assignments from Session 7 of <i>Elegant and Effective Website Design with UI and UX</i> course should be covered in this session.	<u>Elegant and Effective Website Design with UI and UX (OnlineVarsity)</u> Session 7
7	UIUX – TL7	All the topics as listed below from Session 8 of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session. <u>Session 8 – Designing Websites with Figma Tool</u> <ul style="list-style-type: none"> ➤ Identify the UI sections of a Website ➤ Describe the Figma Auto Layout feature ➤ Define dynamic content in Figma ➤ Identify and build the components of Website ➤ Explain how to use Figma with HTML plugin ➤ Explain prototypes 	<u>Elegant and Effective Website Design with UI and UX</u> SG – Session 8 XP – Session 8 TG – Session 8
8	UIUX – TL8	All the Lab topics from Session 8 of <i>Elegant and Effective Website Design with UI and UX</i> book should be covered in this session.	<u>Elegant and Effective Website Design with UI and UX</u> Session 8
	S4	All the Assignments from Session 8 of <i>Elegant and Effective Website Design with UI and UX</i> course should be covered in this session.	<u>Elegant and Effective Website Design with UI and UX (OnlineVarsity)</u> Session 8

5. Library References

➤	Learning Responsive Web Design by Clarissa Peterson
➤	The Essential Guide to User Interface Design: An Introduction to GUI Design Principles and Techniques by Wilbert O Galitz
➤	Designing in Figma-The complete guide to designing with reusable components and styles in Figma by Eugene Fedorenko

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