

Course Outline

This outline provides an overview of the course and assignments by week. Please remember to check the calendar for specific due dates.

Each course module runs for a period of seven (7) days, i.e., one week. Dates are the date that the module content becomes available. Assignments are due the following week. For example, Module 2 becomes available Monday 09/13/21, and its assignment is due 09/20/21.

Module	Date	Topics	Assignments
Module 1	Monday 08/30/21	Introduction	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Leadership Discussion Sign-up
Module 2	Monday 09/13/21	Factory Method/Strategy/Decorator	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 2 Assignment
Module 3	Monday 09/20/21	Composite/Iterator/Refactoring	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 3 Assignment• Discussion Leadership
Module 4	Monday 09/27/21	Template Method/Abstract Factory/Builder	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 4 Assignment• Discussion Leadership
Module 5	Monday 10/04/21	Singleton and Monostate/Proxy	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 5 Assignment• Discussion Leadership
Module 6	Monday 10/11/21	Idioms and Pattern Languages	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 6 Assignment• Final Project Topic Submission
Module 7	Monday 10/18/21	Adapter/Bridge	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 7 Assignment• Discussion Leadership
Module 8	Monday 10/25/21	Mediator/Observer	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 8 Assignment• Discussion Leadership
Module 9	Monday 11/01/21	Chain of Responsibility/Memento	<ul style="list-style-type: none">• Readings as listed• Lectures and Content• Module 9 Assignment• Discussion Leadership

Module	Date	Topics	Assignments
Module 10	Monday 11/08/21	Analysis Patterns, Architectural Patterns and Antipatterns	<ul style="list-style-type: none"> • Readings as listed • Lectures and Content • Module 10 Assignment • Draft of Final Project Submission
Module 11	Monday 11/15/21	Prototype/Command	<ul style="list-style-type: none"> • Readings as listed • Lectures and Content • Module 11 Assignment • Discussion Leadership
Thanksgiving Break	11/22/21-11/26/21		<ul style="list-style-type: none"> •
Module 12	Monday 11/29/21	State/Visitor	<ul style="list-style-type: none"> • Readings as listed • Lectures and Content • Module 12 Assignment • Discussion Leadership
Module 13	Monday 12/06/21	Flyweight/Interpreter/Façade	<ul style="list-style-type: none"> • Readings as listed • Lectures and Content • Module 13 Assignment • Discussion Leadership
Module 14	Monday 12/13/21 Project Due: 12/14/21	Championing Patterns and Final Project	<ul style="list-style-type: none"> • Lectures and Content • Final Project Submission