Object Oriented Programming in Java

Why you are here?
1. I want to be professional software developers.
2. I want to improve my programming skills so that I can implement any personal projects.
3. I am not sure might why I'm here.

Course Objective:
- Learn the fundamentals of Object Oriented programming.
- Understand how Object-Orientation works and how to best apply it in Java.
- Understand OOP principles and features and how to apply them in Java.
- Understand Inheritance, Encapsulation, and Abstraction & Polymorphism in Java.
- Learn the basics of Java Classes, Objects & Interfaces.
- Get extensive hands-on experience with Java programming.

Course Outline

Lecture	Topic
1	Fundamentals of OOP, Java Primitives
2	Loops, Arrays
3	Strings, I/O
4	Classes, Objects, Methods
Midterm	
5	Inheritance, Polymorphism
6	Interfaces/Abstract Classes
7	Java Collections
8	Exception, GUI Programming
9	Event Driven Programming
10	**Quiz Test, Lab Test**
11	Assignment submission & presentation

Marks Distribution

S.L	Exam	Mark	Distribution (Percentage)	
1	Midterm	20		
2	Lab	30	Quiz	20%
			Lab test	30%
			Assignment submission & presentation	50%
3	Teacher Assessment	10	Class attendance, Class Performance, Assignment	
4	Final	40		
Total		**100**		

Book

S.L.	Book	Author
1	Java A Beginner's Guide (6th edition)	Herbert Schildt
2	The Java® Language Specification *(Java SE 8 Edition)*	James Gosling, Bill Joy Guy Steele, Alex Buckley
3	The complete Reference Java (9th edition)	Herbert Schildt
4	Core Java, Volume 1 and 2	Cay S. Horstmann

Official

Content	Address
Resource	http://www.oracle.com/technetwork/java/javase/downloads/index.html
Documentation	http://docs.oracle.com/javase/8/
Tutorial	https://docs.oracle.com/javase/tutorial/
Training	http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getlppage?page_id=212&path=SJPF

Tutorial

S.L.	Address
1	http://www.javatpoint.com/final-keyword
2	http://javabeginnerstutorial.com/core-java/
3	https://www.tutorialspoint.com/java/

Video

S.L.	Address
1	https://www.youtube.com/channel/UCJbPGzawDH1njbqV-D5HqKw
2	https://www.youtube.com/user/derekbanas
3	https://www.youtube.com/user/caveofprogramming