# **Modern Programming Practices**

**Established in Pure Consciousness Perform Action**

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|  | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 |
| Week 1 | Introduction to Modern Programming Practices | Principles of OOP | Program for change | Design workshop | Design workshop. | Review.  Standard Exam Practice (SEP) (03-2017) |
| Week 2 | Review -override  ‘equals’  method inside  Eclipse  (for SEP).  LocalDateTime.  Lab 5.1 | Sequence and Object  Diagrams. | JDBC, JUNIT, Regular Expressions, and Comparators.  Standard Exam Practice.  (05-2017 p.m.) | Assertions, Exception Handling,  and  Threads.  Best Practices.  (XC – SEP)  (04-2017 p.m.) | Review for Midterm.  Review last SEP, and ‘where’ to put the equals method on W3D1. | Midterm -  (Opportunity to  Integrate and  Stabilize the  Knowledge) |
| Week 3 | Interfaces in Java 8 and the Object Superclass | The Stream API. Lambda Expressions. | Lambda Expressions. The Stream API. (continued) | Lambda Expressions. The Stream API. (continued) | Java Swing.  Standard Exam Practice.  (04-2017 p.m.) | Review.  Standard Exam Practice (SEP).  (05-2017) |
| Week 4 | More Best Practices, and,  another SEP. | Generic Programming.  Theater Lab. | Review  for  Final. | Final.  (Opportunity to  Integrate and  Stabilize the  Knowledge) |  |  |