

# Advanced Object Oriented Programming

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# **1 Single Inheritance**

## **1.1 Basics**

## **1.2 Dynamic Binding**

## **1.3 Behavior Conformance**

## **2 Multi Inheritance**

### **2.1 Basics**

### **2.2 Java Interfaces**

### 3 Overloading

## 4 Inner Classes

## 5 Generics

## 6 Tyranny of the dominant decomposition



## **7 Program Analysis**

### **7.1 Rapid Type Analysis**

### **7.2 Points To Analysis**

## 8 Typesystems