```java
1   import java.io.Serializable;
2   import java.time.*;
3   import java.time.format.*;
4   import java.util.Locale;
5
6   public abstract class Lesson implements Serializable
7   {
8       private DayOfWeek day;
9       private LocalTime startTime;
10      private LocalTime endTime;
11      private Staff staff;
12      private Venue venue;
13      private CourseOffering offering;
14      private int numberEnrolled;
15      static DateTimeFormatter timeFormat = DateTimeFormatter.ofPattern("h:mm a");
16
17      public Lesson(DayOfWeek day, LocalTime startTime, int dur, Venue venue,
18              CourseOffering offering) throws ClashException,
19              LessonTimeOutOfBoundsException
20      {
21          this.day = day;
22          venue.checkLessonBounds(day, startTime, startTime.plusMinutes(dur));
23          this.startTime = startTime;
24          this.endTime = startTime.plusMinutes(dur);
25          staff = null;
26          venue.checkClash(day, startTime, endTime);
27          this.venue = venue;
28          venue.addLesson(this);
29          this.offering = offering;
30          this.numberEnrolled = 0;
31      }
32
33      public LocalTime getStart()
34      {
35          return startTime;
36      }
37
38      public LocalTime getEnd()
39      {
40          return endTime;
41      }
42
43      public DayOfWeek getDay()
44      {
45          return day;
46      }
47
48      public Staff getStaff()
49      {
50          return staff;
51      }
52
53      public void setStaff(Staff staff)
54      {
55          this.staff = staff;
56      }
57
```

```java
58        public Venue getVenue()
59        {
60            return venue;
61        }
62
63        public CourseOffering getCourseOffering()
64        {
65            return offering;
66        }
67
68        public int getNumberEnrolled()
69        {
70            return numberEnrolled;
71        }
72
73        public void setNumberEnrolled(int numberEnrolled)
74        {
75            this.numberEnrolled = numberEnrolled;
76        }
77
78        public String toString()
79        {
80            String s = "Venue: " + venue.getLocation();
81            s += "\nDay: " + day.getDisplayName(TextStyle.FULL,
82                    Locale.getDefault());
83            s += "\nStart time: " + timeFormat.format(startTime);
84            s += "\nEnd time: " + timeFormat.format(endTime);
85            if(staff != null)
86            {
87                s += "\nStaff: " + staff.getName();
88            }
89            return s;
90        }
91    }
92
```