CS 548—Enterprise Software Architecture and Design
Assignment Three—Object Relational Mapping—Rubric

1. **Video: 35**
   a. ■ 30 Video showing addition of all types of entity (including all types of treatment) and inspection of database tables in Eclipse JPA perspective
   b. ■ 5 Log file from running client application

2. **All entities: 40**
   a. ■ 10 @Id @GeneratedValue Declare primary keys
   b. ■ 10 Declare indexes for UUID keys, declare to be non-nullable and unique
   c. ■ 15 @OneToMany relationship patient and provider to treatment (including mappedBy attribute set), @ManyToOne from treatment to patient and provider entities
   d. ■ 5 @Temporal for all date fields

3. **Treatment entities: 20**
   a. ■ 5 @Inheritance, use join strategy or table-per-subclass strategy 10
      • Discriminator column is *not* required except for single-table strategy
   b. ■ 5 @OneToMany for followup treatments (Surgery, Radiology)
   c. ■ 10 Radiology, Physiotherapy dates: @ElementCollection

5. Completed rubric: ■ 5

Total: 100