John Kelly | Zach Rump  
16615329 | 12337948

Prelab 05.

1. **What is the function of the statement GENERIC, and how can one instantiate a Generic component. i.e How to port map it?**

GENERIC statement is used for passing information to an entity. They do not have a direction.

Can instantiate a generic component using ‘generic map’ (instead of ‘port map’) e.g. with the GenClock component.

**GenClock1: GenClock**

**generic map(time\_period => 1)**

**port map(clk => clk, Clock=>Clock);**

**\***note no semicolon between generic map and port map.

1. **Write the UCF file required to display the four clocks generated by your code above**

# TestClock.ucf

# LD0 – LEDs are active HIGH

# See page 20 spartan 3 manual

NET “Clock” LOC = K12