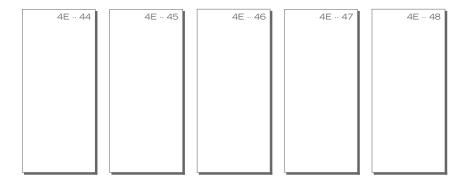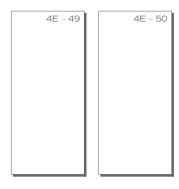# LABORATORY 7

Please print this sheet prior to coming to laboratory. Complete the pre-laboratory tasks in your lab notebook. Complete the lab tasks in **both** your lab notebook and this submission sheet.

1 Pre-laboratory Verification

4E ·· 44	4E ·· 45	4E ·· 46	4E ·· 47	4E ·· 48

2 Laboratory Verification

4E ·· 49	4E ·· 50

3   Deliverables

1. Attach **`servo.vhd`** VHDL code.

2. Attach oscilloscope captures of the PWM signal in 0° and 180° positions, printed on a single page.

3. Copy the results table below (you may omit **`0`** values):

Position	SW9..0	Timing (calculated)	Timing (experimental)
0°	00 0000 0000	0.75 ms / 20 ms	
45°			
90°			
135°			
180°	00 1011 0100	2.5 ms / 20 ms	