

**Hawler Medical University
College of Nursing
Training course on ECG**

First Week

Day one – 1 Sep 2018

Heart conduction pathway, technical aspect

8.30 – 9.00: Registration
9.0 – 9.15: SA node
9.15 – 9.30: AV node
9.30 – 9.45: Ventricular conduction
9.45 – 10.0: Atrial contraction
10.0 – 10.15: Ventricular contraction
10.15 – 10.45: Rest
10.45 – 11.15: Limb leads
11.15 – 12: Chest leads
12.0 – 1.30: Practical activity

Day two – 2 Sep 2018

ECG paper; waves, segments and intervals:

8.30 – 8.45: ECG machine
8.45 – 9.00: Speed
9.00 – 9.30: Voltage
9.30 – 9.45: ECG paper
9.45 – 10.15: Practical activity
10.15 – 10.45: Rest
10.45 – 11.0: P wave; PR interval
11.00 – 11.15: QRS complex
11.15 – 11.30: ST segment
11.30 – 11.45: T wave
11.45 – 12.0: U wave; TP segment
12.00 – 1.30: practical activity

Second Week

Day three – 8 Sep 2018

Rate; Rhythm

8.30 – 9.00: Rate
9.00 – 9.30: Sinus rhythm
9.30 – 9.45: Nodal rhythm
9.45 – 10.15: Practical activity
10.15 – 10.45: Rest
10.45 – 11.0: Sinus Arrhythmia
11.00 – 11.15: SVT
11.15 – 11.30: AF
11.30 – 11.45: VT

11.45 – 12.0: VF

12.0 – 1.30: Practical activity

Day four – 9 Sep 2018

Hypertrophy; block

8.30 – 9.15: Hypertrophy

9.15 – 9.30: First degree block

9.0 – 9.45: Second degree block

9.45 – 10.15: Practical activity

10.15 – 10.45: Rest

10.45 – 11.0: Third degree block

11.0 – 11.30: RBBB

11.30 – 12.00: LBBB

12.0 – 1.30: Practical activity

Third Week

Day five – 20 Sep 2018

I H D; Acute Coronary Syndrome

8.30 – 9.00: Ischemia

9.0 – 9.45: T inversion

9.45 – 10.15: Practical activity

10.15 – 10.45: Rest

10.45 – 11.15: ST Elevation

11.15 – 12: ST depression

12.0 – 1.30: Practical activity

Day six – 22 Sep 2018

Technical Errors:

8.30 – 8.45: Wrong connection

8.45 – 9.00: Electrical interfere

9.0 – 9.30: Effect of temperature on ECG

9.30 – 9.45: Chest leads wrong connection

9.45 – 10.15: Practical activity

10.15 – 10.45: Rest

10.45 – 11.0: Speed errors

11.0 – 11.15: Voltage errors

11.15 – 12.00: Practical activity

12.0 – 1.30: Answer to questions