

**Clackamas Community College**  
Online Course/Outline Submission System

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**Section #1 General Course Information****Department:**Health Sciences: Allied Health**Submitter**

First Name: Carol

Last Name: Thorn

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**Course Prefix and Number:**EMT - 218**# Credits:**1**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 22

Lab (# of hours):

Total course hours: 22

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

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**Course Title:**Basic EKG Interpretation II for EMTs**Course Description:**

Builds upon the knowledge gained in EMT-217. The course will focus on the student's ability to understand and recognize variations in the electrical conduction of the heart as evidenced by changes on the 12 lead EKG. The course will encompass the recognition and treatment modalities of sinus, atrial, junctional and ventricular rhythms as well as heart block. Recognition and treatment of electrical conduction problems related to ischemia, injury and drug/electrolyte imbalances will also be discussed.

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**Type of Course:**Career Technical Preparatory**Reason for the new course:**

To support the development of a new career pathway.

**Is this class challengeable?****No**

Can this course be repeated for credit in a degree?

**No**

Is general education certification being sought at this time?

**No**

Does this course map to any general education outcome(s)?

**No**

Is this course part of an AAS or related certificate of completion?

**Yes**

**Name of degree(s) and/or certificate(s):**EMT ER Technician Career Pathway Certificate

Are there prerequisites to this course?

**No**

Are there corequisites to this course?

**No**

Are there any requirements or recommendations for students taken this course?

**No**

Are there similar courses existing in other programs or disciplines at CCC?

**No**

Will this class use library resources?

**No**

Is there any other potential impact on another department?

**No**

Does this course belong on the Related Instruction list?

**No**

GRADING METHOD:

A-F Only

**Audit:No**

When do you plan to offer this course?

**✓ Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

**No**

Will this course appear in the college catalog?

**No**

Will this course appear in the schedule?

**No**

**Student Learning Outcomes:**

Upon successful completion of this course, students should be able to:

1. identify normal and abnormal electrical conduction waveforms of sinus rhythms,
2. identify normal and abnormal electrical conduction waveforms of atrial rhythms,
3. identify normal and abnormal electrical conduction waveforms of ventricular rhythms,
4. identify normal and abnormal electrical conduction waveforms of junctional rhythms,
5. identify electrical conduction waveforms in various types of heart block,
6. describe the determining factors in the use of different types of pacemakers,
7. demonstrate recognition of changes on 12-lead EKG due to ischemia, injury, metabolic disorders;
8. demonstrate understanding of causes and treatment modalities for various electrical conduction abnormalities related to electrolyte imbalance,
9. demonstrate understanding of causes and treatment modalities for various electrical conduction abnormalities related to tissue ischemia, injury or necrosis.

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***This course does not include assessable General Education outcomes.***

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**Major Topic Outline:**

1. Components of the EKG.
2. EKG Interpretation.
  - a. Sinus rhythms.
  - b. Atrial rhythms.
  - c. Ventricular Rhythms.
  - d. Heart Block.
  - e. Ischemia, Injury and Changes due to Metabolic Disturbances.
3. Causes and treatment modalities of abnormal heart rhythms.

**Does the content of this class relate to job skills in any of the following areas:**

- |                                      |           |
|--------------------------------------|-----------|
| 1. Increased energy efficiency       | <b>No</b> |
| 2. Produce renewable energy          | <b>No</b> |
| 3. Prevent environmental degradation | <b>No</b> |
| 4. Clean up natural environment      | <b>No</b> |
| 5. Supports green services           | <b>No</b> |

Percent of course:0%

**First term to be offered:**

**Next available term after approval**

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