### Course Name:
**KNPE 459/3.0**

Clinical Exercise Physiology

### Course Instructor:
Dr. Kyra Pyke

### Contact Hours:
Lectures: 2 x 1.5 hrs/wk / 12 weeks

### Prerequisite:
- KNPE 125/3.0, KNPE 225, KNPE 227/3.0
- Level 3 or above in a KINE or PHED plan.

### Exclusion:

### Course Description:
This course explores the role of exercise in the prevention, diagnosis and treatment of various clinical conditions. Emphasis is placed on integrating an understanding of exercise physiology and disease pathophysiology to examine evidence relating to exercise interventions.

### Course Objectives:
- Identify and describe the nature and significance of particular clinical issues when examining examples of physiological data
- Explain the pathophysiology of selected clinical conditions and the impact of the condition on the acute exercise response
- Interpret and discuss evidence regarding the potential benefit of exercise in relation to selected clinical conditions
- Communicate a summary and interpretation of published research findings and present an evidence based novel research proposal related to the benefits of exercise training in a clinical population of your choice.

### Course Evaluation:
- Term Test #1 25%
- Term Test #2 25%
- Term Test #3 20%
- Assignment 30%

### Course Outline

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<td>Exercise testing and assignment discussion</td>
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