

PT 857 TA Requirements (Total of 40 hours) 2017-18
January 2 to March 16, 2017

Course Description:

PT-857 (4.5 CR) Cardiorespiratory II

Students will gain proficiency in applied exercise physiology and produce safe and effective exercise prescriptions in clinical populations. In addition, students will incorporate their critical thinking, problem solving and clinical skills in the study of complex cardiorespiratory cases related to rehabilitation, acute and critical contexts of care towards optimization of gas exchange, mobility and function. Topics include exercise physiology, exercise testing, exercise prescription, physiological monitoring, oxygen delivery and ventilation. Lab component. Pre-requisite: successful completion of PT 855 and PT 882 or approval from the PT Program.

The candidate must have a PT background or equivalent*.

* Equivalent includes a Registered Respiratory Therapist or a Registered Nurse

1. Clinical Skills Labs Preparation, Involvement and Clean-up

The TA will be responsible for assisting with the gathering of, inventory of, and or ordering of laboratory (lab) supplies and equipment, setting up the lab space prior to the labs, attending some labs and assisting with the clean-up following some labs.

Essential Skills

- Familiarity with the supplies and equipment used in the course (e.g. exercise testing equipment);
- Ability to maintain a supplies and equipment inventory;
- Ability to interact with equipment vendors who are providing equipment on loan for clinical skills labs;
- Strong interpersonal skills
 - to assist the students with relevant, timely and valid feedback;
 - to assist with interactions with the Faculty of Health Science's (FHS) Glaxo-Wellcome Clinical Education Centre (CEC), FHS Simulation Lab and any other relevant university resources;
 - to work with clinicians within the faculty and from regional health facilities;
- Willingness to learn the student internet/web platforms (e.g. 'OnQ');
- Strong organizational skills; and
- Willingness to keep comprehensive records of supplies and equipment usage and maintenance needs.

2. Assistance with student academic and clinical skills performance evaluation:

The TA will be responsible for grading student assignments and/or examinations based on detailed grading templates/rubric provided by the course coordinators.

Essential Skills

- Strong written skills and ability to offer feedback to enable student improvement;
- Strong observation skills;
- Ability to document student performance and marks in a timely fashion;
- Ability to interact with students to provide feedback with a direct but supportive approach;
- Willingness to track the content of the course leading up to any evaluation;
- Be available and participate in a clinical skills examination in October; and
- Ability and willingness to accept constructive feedback from the course coordinators.

3. Assistance with grading student presentations

The TA will be responsible to grade student presentations along with the course coordinator related to topic based assignments. The TA will be provided with a detailed marking rubric by the course coordinator.

Essential Skills

- Comfort with grading students based upon clinical skills, EBP and literature;
- Strong written skills and ability to offer feedback to enable student improvement;
- Strong visual observation skills, auditory processing skills and ability to process visual and auditory information;
- Ability to document student performance and marks in a timely fashion; and
- Ability and willingness to accept assignment of observational grading based upon direction of the course coordinator.

4. Assistance with Tutorial Sessions

The TA will be responsible for facilitating and/or providing instruction in a small group tutorial setting using learning objectives. Specific learning objectives will include the interpretation of resting and exercise electrocardiograms of sub-maximal and maximal exercise tests, as well as exercise prescription based on the maximal exercise testing results.

Essential Skills

- Courses or experience with clinical exercise testing and EKG interpretation
- Strong leadership skills and ability to take initiative
- Strong communication skills and ability to offer feedback to enable student improvement;
- Strong visual observation skills, auditory processing skills and ability to process visual and auditory information;
- Strong organizational and time-management skills
- Ability and willingness to accept assignment of observational grading based upon direction of the course coordinator.

5. Course Theory Delivery

The TA may negotiate involvement in the development and/or delivery of course theory content.

Essential Skills

- Willingness to consider multiple methods, taking into account adult learning styles;
- Ability to, when relevant, incorporate a critical review of the literature to update all materials;
- Ability to provide materials in a timely fashion;
- Willingness to learn the student internet/web platforms (e.g. 'OnQ');
- Strong organizational skills; and
- Ability and willingness to accept constructive feedback from the course coordinator.