

BPK Graduate Program Learning Outcomes

A graduate from this program is able to:

MSc

1. demonstrate advanced knowledge in, and a critical awareness of, a specialized area within the fields of Biomedical Physiology and Kinesiology
2. conduct research in novel lines of enquiry to generate and/or test a hypothesis, which demonstrates mastery of a scientific approach

PhD

1. demonstrate a thorough understanding of pertinent literature and recognize and integrate complex ideas and controversies in the field
4. communicate and defend their work, as well as critically appraise that of others, in written and oral form
5. identify moral, legal and ethical considerations for how to conduct research appropriately

BPK Graduate Degree Level Expectations

	MSc	PhD
1) Core Knowledge and critical thinking	<ul style="list-style-type: none"> a) demonstrate advanced knowledge of pertinent literature in a specialized area within Biomedical Physiology and Kinesiology b) recognize debate, and critically appraise current research in the field c) evaluate methodological strengths and weaknesses in the literature and understand how this enables/limits interpretation of data 	<ul style="list-style-type: none"> a) demonstrate thorough knowledge of literature related to an area within Biomedical Physiology and Kinesiology b) critically evaluate current literature and integrate complex ideas and controversies in the field c) identify and understand new and established approaches that are at the forefront of the field
2) Research methods and analyses	<ul style="list-style-type: none"> a) demonstrate mastery of quantitative and/or qualitative skills in the collection and/or use of data b) conduct novel research to generate and/or test a hypothesis c) use established or novel ideas and/or approaches to address a new question d) contribute to the generation of new knowledge in the field 	<ul style="list-style-type: none"> a) conceptualize and design approaches to address a series of research questions b) undertake independent research using novel ideas and/or approaches to generate and/or test a set of hypotheses or questions related to a common goal c) produce original research, which creates new knowledge that advances the field.

	MSc	PhD
3) Literacy and scientific communication	a) present a detailed and comprehensive evaluation of a	