

Assessment Grid for BCAK Professional Membership – Simon Fraser University Issue#: SFU11242025V4

Required Subject Areas: Minimum of 50% content must be in the named course	Within any given required area, a maximum of 1 course/3 credits/36 hours of study will be counted. Additional courses (3 credits/36 hours) can be counted in the Other Category.			FOR BCAK use only
Course: List the name + number of the course as it appears on your transcript. Note a course can only be used once.	Post Secondary Institution List the university or college where the course was taken	Documentation List the document that describes the course and that you will provide	# of courses/hours/credits	
Biomechanics of Human Movement and Tissues	Fundamentals of mechanics as applied to the execution and control of human movement, including consideration of anthropometry, kinematics, and kinetics. May include application to occupational biomechanics and ergonomics.			
BPK 201 or BPK 301 or 401	SFU	Course outline	3 credits	
Clinical Kinesiology Assessment	Techniques to assess the components of physical fitness; orthopedic techniques and tests for injury/dysfunction, such as selective tissue tension testing (STT); common neurological screening tests for muscle strength, sensation, basic reflexes, and gait; functional movement testing.			
BPK 303*	SFU	Course Outline	3 credits	
Clinical (Advanced) Exercise Prescription	Basic and advanced principles of exercise prescription, including client screening, program design, implementation, and progression for enhancing and/or improving human health and performance in both non-clinical and selected clinical populations.			
BPK 343* or BPK 443	SFU	Course Outline	3 credits	
Human Systems Anatomy (Applied Human Anatomy)	Systematic study of human anatomy with emphasis on functional application. A comparative study of organs, tissues and body systems using laboratory dissections/models to provide an understanding of the three-dimensional organization of the human body.			
BPK 326	SFU	Course Outline	3 credits	
Human Exercise Physiology	Assessment of the human physiological responses and adaptations to acute and chronic exercise, including the cardiorespiratory, cellular, and metabolic adaptations in health, disease, and performance.			
BPK 310 or BPK 407	SFU	Course Outline	3 credits	
Human Motor Control and Learning (Neuroscience)	Study of the concepts in the sensorimotor planning and control of movement, including factors and disorders affecting movement, sensory and motor physiology, sensorimotor integration, current theories of motor control and motor learning.			
BPK 207 or BPK 415	SFU	Course Outline	3 credits	
Human Systems Physiology	Study of human physiology and pathophysiology of the cardiovascular, respiratory, skeletal, musculotendinous, renal, reproductive, and nervous systems, as well as the mechanisms of regulation and integration by the endocrine, gastrointestinal, immune, and neurological systems. Anatomy of structures is detailed when it is critical to understanding function.			

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BPK 205, or one of BPK 305, 306, or 307	SFU	Course Outline	3 credits	
Research Methods and Evidence-Based Practice	Knowledge of the strengths and weaknesses of qualitative and quantitative research methods, including critical analysis and evaluation of research studies and methods, with emphasis on understanding evidence-informed practice and best-practices in kinesiology.			
BPK 304	SFU	Course Outline	3 credits	
Human Growth and Development	Study of physiological growth and development from conception to maturity, including the factors affecting growth, physical activity behaviour, and human motor performance.			
BPK 375	SFU	Course Outline	3 credits	
Human Nutrition and Metabolism	Fundamentals of nutrition (macro and micronutrient) as it relates to human health and performance, in healthy and unhealthy populations.			
BPK 110 or BPK 311 or 312	SFU	Course Outline	3 credits	
Kinesiology Professional Practice & Jurisprudence	Essential aspects of medical, legal and ethical issues related to professional healthcare practice, includes charting & record keeping, interdisciplinary practice, and human rights.			
BPK 303* and BPK 343*	SFU	Course Outline	3 credits	
**Note if BPK 303 and BPK 343 are used above for Clinical Assessment +/- Clinical Exercise Prescription requirements, then applicant will require 15 (if one course is used in two places out of 14 subjects) courses or 16 if two courses are used in two places out of the 14 subjects. Contact office if more info required.				
Prevention and Rehabilitation of Sports Injuries	Fundamentals of the structural and functional characteristics of the musculoskeletal and sense organs with regards to the prevention of injury in sport. Knowledge applied within a practice setting to facilitate learning of common rehabilitation treatments and modalities.			
BPK 241	SFU	Course Outline	3 credits	
Psychology and/or Sociology of Health & Human Movement (Behaviour Change/ Modification)	Fundamentals of the psychological and/or sociological factors that influence health behaviours in participation of physical activity for enhancement of physical wellness, sport and recreation performance, chronic disease management and injury/illness recovery.			
BPK 340 or BPK 381 or HSCI 312	SFU	Course Outline	3 credits	
Special Populations Health	Knowledge and considerations essential to working with special populations, including the study of population health. Practical knowledge and understanding of the pathology/pathophysiology of common diseases or disorders including chronic disease and diseases of aging, neurological, orthopedic and/or mental health disorders, persons with disabilities, and epidemiology/population health.			
BPK 405 or one of BPK 307, 417, 421, 431 443, 444, 446, 448 or 481	SFU	Course Outline	3 credits	
Where multiple courses are listed above, only one course is to be allocated in each of the above topics (unless the courses are linked by the word 'and') – the unused courses are to be allocated to the electives category (minimum of 16 required). Note: A course can only be allocated once either as a Core or as an Elective (i.e. it cannot appear in multiple categories – unless as noted for 303 and 343).				

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OTHER Courses List the name and number of the course as it appears on your transcript	Post Secondary Institution List the university or college where the course was taken	Documentation List the document that describes the course and that you will provide	# of courses/hours/credits	FOR BCAF use only
Below List Other Kinesiology Subjects (by course)	Use this category to list other courses that you have completed directly related to kinesiology (a minimum of 16 courses required) – do not include any courses used above.			
BPK 105	SFU	Course Outline	3 credits	
BPK 140	SFU	Course Outline	3 Credits	
BPK 141	SFU	Course Outline	3 Credits	
BPK 142	SFU	Course Outline	3 Credits	
BPK 143	SFU	Course Outline	3 Credits	
BPK 180	SFU	Course Outline	3 Credits	
BPK 208	SFU	Course Outline	3 Credits	
BPK 308	SFU	Course Outline	3 Credits	
BPK 336	SFU	Course Outline	3 Credits	
BPK 402	SFU	Course Outline	3 Credits	
BPK 406	SFU	Course Outline	3 Credits	
BPK 409	SFU	Course Outline	3 Credits	
BPK 411	SFU	Course Outline	3 Credits	
BPK 412	SFU	Course Outline	3 Credits	
BPK 426	SFU	Course Outline	3 Credits	
BPK 432	SFU	Course Outline	3 Credits	
BPK 447	SFU	Course Outline	3 Credits	
BPK 457	SFU	Course Outline	3 Credits	
BPK 459	SFU	Course Outline	3 Credits	
BPK 482	SFU	Course Outline	3 Credits	
BPK 484	SFU	Course Outline	3 Credits	
BPK 491	SFU	Course Outline	3 Credits	
BPK 495	SFU	Course Outline	3 Credits	
BPK 496	SFU	Course Outline	3 Credits	
BPK 498	SFU	Course Outline	3 Credits	
BPK 499	SFU	Course Outline	3 Credits	
MBB 201	SFU	Course Outline	3 Credits	
MBB 231	SFU	Course Outline	3 Credits	

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Practicum Courses that can be used for Work Integrated Learning requirement (100 hours minimum) and as elective courses				
BPK 351 (practicum/co-op)	SFU	Detailed description of activities/tasks, location, organization and hours (logbook accepted). WIL form needs to be completed – it is a required document for your application.	3 Credits	
BPK 352 (practicum/co-op)	SFU		Minimum 3 Credits	
BPK 451 (practicum/co-op)	SFU		Minimum 3 Credits	
BPK 452 (practicum/co-op)	SFU		Minimum 3 Credits	
BPK 453 (practicum/co-op)	SFU		Minimum 3 Credits	
Foundational Maths and Sciences – as required by degree program				
BISC 101	SFU	Course Outline	3 Credits	
CHEM 121	SFU	Course Outline	3 Credits	
CHEM 122	SFU	Course Outline	3 Credits	
CHEM 281	SFU	Course Outline	3 credits	
MATH 151	SFU	Course Outline	3 Credits	
MATH 152	SFU	Course Outline	3 Credits	
MATH 154	SFU	Course Outline	3 Credits	
MATH 155	SFU	Course Outline	3 Credits	
PHYS 101	SFU	Course Outline	3 Credits	
PHYS 102	SFU	Course Outline	3 Credits	
PHYS 120	SFU	Course Outline	3 Credits	
PHYS 121	SFU	Course Outline	3 Credits	
PHYS 125	SFU	Course Outline	3 Credits	
PHYS 126	SFU	Course Outline	3 Credits	
PHYS 140	SFU	Course Outline	3 Credits	
PHYS 141	SFU	Course Outline	3 Credits	
STAT 201	SFU	Course Outline	3 Credits	
Higher level maths and sciences courses can also be used as electives if needed and if within the degree program				

Additional Note:

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- Note where a course name/number is placed into two or more categories it can only be used once (unless otherwise noted on the grid) – we show it in two categories to allow the applicant flexibility in placement (e.g. BPK 307 is an option for both Human Systems Physiology and for Special Populations – but it can only be used/allocated to one of those two categories).
- Acceptance for the first 14 subjects as a core course does **not** mean that the Professional Competency Exam (PCE) questions in this subject are limited to the educational materials offered at an institution, as the examination will cover the professional core competencies, which relate to athletic and clinical populations at an acute and functional level.