

APPENDIX 3

CHECKLIST OF MINIMUM REQUIREMENTS FOR INSTRUCTORS OF ANATOMY AND/OR PHYSIOLOGY

Minimum degree requirement – one of the following:

- M.S. or Ph.D. (or international equivalent) in a field of life science
- Professional degree in the biomedical sciences (e.g., M.S.N., M.D., D.O., D.C., D.P.T, D.D.S., D.V.M. or international equivalents)
- Other advanced clinical degree awarded by a nationally accredited institution
- M.S. or Ph.D. in science education combined with appropriate coursework in science or biomedicine

Coursework requirements – 18 credits from formal classes or relevant experiences such as those listed in the tables below.

NOTE - These lists should not be considered comprehensive or exclusionary, and course titles may vary considerably from those listed. The list is meant simply to provide an indication of the diversity of topics directly relevant to human anatomy and physiology.

Appropriate graduate course credits may come from a variety of graduate programs as well as from graduate-level professional schools such as medical schools. **Suitability of a graduate class should never be determined simply by the prefix letters of the graduate program.** When necessary, the credit-granting institution should be asked to provide a syllabus or summary of the course in question.

Faculty being credentialed should be prepared to document all relevant experience. If teaching experience is being used as part of the credentialing process, supporting documentation such as student or peer evaluations of teaching, students' results on standardized or institutional examinations, and course syllabi should be available for inspection.

Coursework equivalents

This document recognizes that there are multiple ways to gain expertise in a topic, including mentored teaching as a graduate or postdoctoral student, prior teaching experience, continuing education through attendance at meetings or workshops, and hands-on experience through research or clinical work. For some faculty, courses taken as a graduate student may be the least relevant of all of these options simply because of the rapid advances in science that take place constantly.

ANATOMY- RELATED COURSEWORK

	DOCUMENTATION OF WORK & CALCULATION OF CREDITS				
	Graduate Coursework (credits on transcript)	Teaching while a graduate or postdoctoral student (credits on graduate transcript or credit value)	Postgraduate Teaching (3 credits for each semester)	Postgraduate Courses or Experience (Continuing education credits or units awarded)	Research or Clinical Experience in Anatomy (3 credits for each peer-reviewed journal article published or per year of practice)
Human anatomy					
Primate Evolution					
Biomechanics					
Evolutionary Biology					
Functional Anatomy					
Vertebrate anatomy (comparative vertebrate anatomy)					
Veterinary anatomy					
Surgical anatomy					
Human gross anatomy					
Neuroanatomy or Neuroscience					
Biological anthropology					
Kinesiology					
Embryology (developmental biology)					
Cytology					
Histology (Microscopic anatomy)					
Organology					
Osteology					
Paleopathology					
Pathology					
Other? Specify:					

PHYSIOLOGY- RELATED COURSEWORK

	DOCUMENTATION OF COURSEWORK & CALCULATION OF CREDITS				
	Graduate Coursework (credits on transcript)	Teaching while a graduate or postdoctoral student (credits on graduate transcript or credit value of course)	Postgraduate Teaching (3 credits for each semester)	Postgraduate Courses or Experience (Continuing education credits or units awarded)	Research or Clinical Experience in Physiology (3 credits for each peer-reviewed journal article published or per year of practice)
Human physiology					
Animal physiology					
Comparative physiology					
Mammalian physiology					
General physiology					
Medical physiology					
Veterinary physiology					
Pathophysiology					
Systems physiology:					
neurophysiology					
cardiovascular physiology					
endocrinology					
immunology					
respiratory physiology					
renal physiology					
gastrointestinal physiology					
Cell physiology					
Exercise physiology					
Molecular biology					
Genetics					
Other? Specify:					

ANCILLARY COURSEWORK OF VALUE (maximum of 6 credits toward the 18 should come from these)

	DOCUMENTATION OF COURSEWORK & CALCULATION OF CREDITS				
	Graduate Coursework (credits on transcript)	Teaching while a graduate or postdoctoral student (credits on graduate transcript or credit value of course)	Postgraduate Teaching (3 credits for each semester)	Postgraduate Courses or Experience (CE credits or units awarded)	Research or Clinical Experience in Relevant Area (3 credits for each peer-reviewed journal article published or per year of practice)
Dental Anthropology					
Medical Anthropology					
Epidemiology					
Microbiology					
Nutrition					
Cell biology					
Public health					
Biochemistry					
Pharmacology					
Graduate level course on pedagogy					
Pharmacophysiology					
Statistics					
Other? Specify:					