

**Course Structure for M.A. Program**  
**Department of Physical Education and Sport Sciences**  
**National Taiwan Normal University**

Adaptive to Class of	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	Minimum Total Credits for Graduation
114	Group of Sport Literature, History and Philosophy 6.0 Group of Sport Pedagogy 6.0 Group of Sport and Recreation Industry Management 6.0 Group of Sport Physiology 6.0 Group of Sports Biomechanics 6.0 Group of Physical Activity Psychology 6.0 Graduate Program in English 0.0	Group of Sport Literature, History and Philosophy 9.0 Group of Sport Pedagogy 9.0 Group of Sport and Recreation Industry Management 9.0 Group of Sport Physiology 12.0 Group of Sports Biomechanics 9.0 Group of Physical Activity Psychology 9.0 Graduate Program in English 15.0	Group of Sport Literature, History and Philosophy 15.0 Group of Sport Pedagogy 15.0 Group of Sport and Recreation Industry Management 15.0 Group of Sport Physiology 12.0 Group of Sports Biomechanics 15.0 Group of Physical Activity Psychology 15.0 Graduate Program in English 15.0	Group of Sport Literature, History and Philosophy 30.0 Group of Sport Pedagogy 30.0 Group of Sport and Recreation Industry Management 30.0 Group of Sport Physiology 30.0 Group of Sports Biomechanics 30.0 Group of Physical Activity Psychology 30.0 Graduate Program in English 30.0

Note: The first alphabet "E" on the course name refers to the course in English as a medium of instruction

**I. Required Courses: 0.0 credit is required**

**II. Elective Courses: 0.0 credit is required**

**III. Courses Offered to Students in Different Divisions**

A-1. Required Course for Group of Sport Literature, History and Philosophy, 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0027	1 Research Methodology	3.0	3.0	0.0	
PEM0024	2 Statistics and Experimental Design(I)	3.0	3.0	0.0	

A-2. Elective Course for Group of Sport Literature, History and Philosophy, 9.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
<b>1 Core curriculum 6.0 credits are required</b> Choose 2 courses from 3, with "Studies in Philosophy of Sport" being a required core course.					
PEC8010	1-1 Studies in Modern Physical Education and Sport History	3.0	3.0	0.0	
PEM0020	1-2 Studies in Philosophy of Sport	3.0	3.0	0.0	
PEC0106	1-3 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
<b>2 General elective courses 3.0 credits are required</b>					
PEC0005	2-1 Advanced Comparative Physical Education and Sport	3.0	3.0	0.0	
PEC0013	2-2 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0016	2-3 Special Topics on Sport and Legal Issues	3.0	3.0	0.0	
PEC0023	2-4 Biochemistry	3.0	3.0	0.0	
PEC0028	2-5 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0029	2-6 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0030	2-7 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0031	2-8 Qualitative Research Methods in Physical Education	3.0	3.0	0.0	
PEC0035	2-9 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0036	2-10 Special Topics in Physical Education Curriculum	3.0	3.0	0.0	
PEC0039	2-11 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	2-12 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0050	2-13 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	2-14 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	2-15 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0071	2-16 Special Topics in Philosophy of Sport	3.0	3.0	0.0	
PEC0075	2-17 Public Relations and Physical Education and Sport	3.0	3.0	0.0	
PEC0076	2-18 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0081	2-19 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	2-20 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0090	2-21 Administration and Management of Physical Education in Schools	3.0	3.0	0.0	
PEC0103	2-22 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0104	2-23 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0105	2-24 Studies in Philosophy of Sport Embodiment	3.0	3.0	0.0	
PEC0106	2-25 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
PEC0107	2-26 Studies in Sport Experience	3.0	3.0	0.0	
PEC8002	2-27 Sports History: Studies and Practices	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0110	2-28 Studies in Women's Sport History	3.0	3.0	0.0	
PEC0115	2-29 E Special Topics in Motor Learning	3.0	3.0	0.0	
PEC0117	2-30 Special Topics on Motor Development	3.0	3.0	0.0	
PEC0118	2-31 Special Topics on Physical Activity Psychology	3.0	3.0	0.0	
PEC0119	2-32 Learning and Motor Learning Theories	3.0	3.0	0.0	
PEC0120	2-33 Ecological Psychology in Motor Behavior	3.0	3.0	0.0	
PEC0121	2-34 Special Topics on Sport Psychophysiology	3.0	3.0	0.0	
PEC0122	2-35 Special Topics on Exercise Psychophysiology	3.0	3.0	0.0	
PEC0123	2-36 Special Topics on Psychophysiological Measurements in Physical Activity	3.0	3.0	0.0	
PEC0124	2-37 Special Topics on Physical Activity Motivation	3.0	3.0	0.0	
PEC0125	2-38 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0126	2-39 Studies in Kinesiology	3.0	3.0	0.0	
PEC0127	2-40 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	2-41 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	2-42 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	2-43 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC0131	2-44 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	
PEC0133	2-45 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	
PEC0134	2-46 Sport Medicine	3.0	3.0	0.0	
PEC0135	2-47 Exercise Immunology	3.0	3.0	0.0	
PEC0136	2-48 Special Topics in Principles of Physical Education	3.0	3.0	0.0	
PEC0137	2-49 Organizational Behavior in Physical Education and Sport	3.0	3.0	0.0	
PEC0138	2-50 Human Resource Management in Physical Education	3.0	3.0	0.0	
PEC0139	2-51 Special Topics on Sport and Recreational Facilities	3.0	3.0	0.0	
PEC0142	2-52 E Studies in Exercise Psychology	3.0	3.0	0.0	
PEC0143	2-53 Studies in Sport Psychology	3.0	3.0	0.0	
PEC0144	2-54 Studies in Coaching Psychology	3.0	3.0	0.0	
PEM0004	2-55 Studies in Physical Education Curriculum	3.0	3.0	0.0	
PEM0005	2-56 Research on Teaching Physical Education	3.0	3.0	0.0	
PEM0023	2-57 Studies in Sport Marketing	3.0	3.0	0.0	
PEM0032	2-58 Advanced Principles of Physical Education	3.0	3.0	0.0	
PEM0033	2-59 Seminar in Sport Management	3.0	3.0	0.0	
PEM0029	2-60 Studies in Sports and Exercise Training	3.0	3.0	0.0	
PEM0056	2-61 Studies in Physical Education Curriculum for Elementary and Secondary Schools	3.0	3.0	0.0	
PEM0071	2-62 Analysis of Physical Education Teaching	3.0	3.0	0.0	
PEM0074	2-63 Studies in Sport Sociology	3.0	3.0	0.0	
PEM0075	2-64 Studies in International Trends of Physical Education and Sport	3.0	3.0	0.0	
PEM0095	2-65 Studies in Physical Education and Sports in China	3.0	3.0	0.0	
PEM0097	2-66 Studies in Sport and Media	3.0	3.0	0.0	
PEM0100	2-67 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEC8011	2-68 E Studies in Olympic Culture	3.0	3.0	0.0	
PEM0105	2-69 Professional Development and Assessment of Physical Education Teachers	3.0	3.0	0.0	
PEM0106	2-70 Studies in Recreational Sport	3.0	3.0	0.0	
PEC9002	2-71 Internship in Sport and Leisure Industry	3.0	0.0	6.0	
PEM0108	2-72 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
PEC9003	2-73 E Management of Sport Events	3.0	3.0	0.0	
PEC0109	2-74 Special Topics on Sports Culture	3.0	3.0	0.0	
PEC8009	2-75 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC8008	2-76 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC9001	2-77 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC0145	2-78 Big Data and Visualization in Sports	3.0	3.0	0.0	
PEC0146	2-79 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8001	2-80 Special Topics on Sport Economics	3.0	3.0	0.0	
PEC8003	2-81 Seminar in Physical Education and Sport History	3.0	3.0	0.0	
PEC8004	2-82 Philosophy of Play	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC8005	2-83 Integrated Studies of the Eastern and Western Philosophy of Sport	3.0	3.0	0.0	
PEC8006	2-84 Studies in Historical and Sociological Aspects of Sports	3.0	3.0	0.0	
PEC8007	2-85 Special Topics on Physical Activity Cognitive Neuroscience	3.0	3.0	0.0	
PEC9005	2-86 Athletic Training Practicum (II)	2.0	2.0	0.0	
PEC9004	2-87 Athletic Training Practicum (I)	2.0	2.0	0.0	
PEC8012	2-88 Advanced Human Physiology	3.0	3.0	0.0	
PEC8013	2-89 Health Behaviors and Sports Development for People with Disabilities	3.0	3.0	0.0	
PEC0092	2-90 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	

B-1. Required Course for Group of Sport Pedagogy, 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0027	1 Research Methodology	3.0	3.0	0.0	
PEM0024	2 Statistics and Experimental Design(I)	3.0	3.0	0.0	

B-2. Elective Course for Group of Sport Pedagogy, 9.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
1 Core curriculum 6.0 credits are required Choose 2 courses from 4					
PEM0004	1-1 Studies in Physical Education Curriculum	3.0	3.0	0.0	
PEM0005	1-2 Research on Teaching Physical Education	3.0	3.0	0.0	
PEM0032	1-3 Advanced Principles of Physical Education	3.0	3.0	0.0	
PEM0108	1-4 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
2 General elective courses 3.0 credits are required					
PEC0005	2-1 Advanced Comparative Physical Education and Sport	3.0	3.0	0.0	
PEC0013	2-2 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0016	2-3 Special Topics on Sport and Legal Issues	3.0	3.0	0.0	
PEC0023	2-4 Biochemistry	3.0	3.0	0.0	
PEC0028	2-5 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0029	2-6 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0030	2-7 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0031	2-8 Qualitative Research Methods in Physical Education	3.0	3.0	0.0	
PEC0035	2-9 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0036	2-10 Special Topics in Physical Education Curriculum	3.0	3.0	0.0	
PEC0039	2-11 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	2-12 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0050	2-13 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	2-14 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	2-15 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0071	2-16 Special Topics in Philosophy of Sport	3.0	3.0	0.0	
PEC0075	2-17 Public Relations and Physical Education and Sport	3.0	3.0	0.0	
PEC0076	2-18 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0081	2-19 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	2-20 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0090	2-21 Administration and Management of Physical Education in Schools	3.0	3.0	0.0	
PEC0092	2-22 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	
PEC0103	2-23 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0104	2-24 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0105	2-25 Studies in Philosophy of Sport Embodiment	3.0	3.0	0.0	
PEC0106	2-26 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
PEC0107	2-27 Studies in Sport Experience	3.0	3.0	0.0	
PEC8002	2-28 Sports History: Studies and Practices	3.0	3.0	0.0	
PEC0109	2-29 Special Topics on Sports Culture	3.0	3.0	0.0	
PEC0110	2-30 Studies in Women's Sport History	3.0	3.0	0.0	
PEC0115	2-31 E Special Topics in Motor Learning	3.0	3.0	0.0	
PEC0117	2-32 Special Topics on Motor Development	3.0	3.0	0.0	
PEC0118	2-33 Special Topics on Physical Activity Psychology	3.0	3.0	0.0	
PEC0119	2-34 Learning and Motor Learning Theories	3.0	3.0	0.0	
PEC0120	2-35 Ecological Psychology in Motor Behavior	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0121	2-36 Special Topics on Sport Psychophysiology	3.0	3.0	0.0	
PEC0122	2-37 Special Topics on Exercise Psychophysiology	3.0	3.0	0.0	
PEC0123	2-38 Special Topics on Psychophysiological Measurements in Physical Activity	3.0	3.0	0.0	
PEC0124	2-39 Special Topics on Physical Activity Motivation	3.0	3.0	0.0	
PEC0125	2-40 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0126	2-41 Studies in Kinesiology	3.0	3.0	0.0	
PEC0127	2-42 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	2-43 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	2-44 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	2-45 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC0131	2-46 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	
PEC0133	2-47 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	
PEC0134	2-48 Sport Medicine	3.0	3.0	0.0	
PEC0135	2-49 Exercise Immunology	3.0	3.0	0.0	
PEC0136	2-50 Special Topics in Principles of Physical Education	3.0	3.0	0.0	
PEC0137	2-51 Organizational Behavior in Physical Education and Sport	3.0	3.0	0.0	
PEC0138	2-52 Human Resource Management in Physical Education	3.0	3.0	0.0	
PEC0139	2-53 Special Topics on Sport and Recreational Facilities	3.0	3.0	0.0	
PEC0142	2-54 E Studies in Exercise Psychology	3.0	3.0	0.0	
PEC0143	2-55 Studies in Sport Psychology	3.0	3.0	0.0	
PEC0144	2-56 Studies in Coaching Psychology	3.0	3.0	0.0	
PEM0020	2-57 Studies in Philosophy of Sport	3.0	3.0	0.0	
PEM0023	2-58 Studies in Sport Marketing	3.0	3.0	0.0	
PEM0033	2-59 Seminar in Sport Management	3.0	3.0	0.0	
PEM0029	2-60 Studies in Sports and Exercise Training	3.0	3.0	0.0	
PEM0056	2-61 Studies in Physical Education Curriculum for Elementary and Secondary Schools	3.0	3.0	0.0	
PEM0071	2-62 Analysis of Physical Education Teaching	3.0	3.0	0.0	
PEM0074	2-63 Studies in Sport Sociology	3.0	3.0	0.0	
PEM0075	2-64 Studies in International Trends of Physical Education and Sport	3.0	3.0	0.0	
PEM0095	2-65 Studies in Physical Education and Sports in China	3.0	3.0	0.0	
PEM0097	2-66 Studies in Sport and Media	3.0	3.0	0.0	
PEM0100	2-67 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEC8010	2-68 Studies in Modern Physical Education and Sport History	3.0	3.0	0.0	
PEC8011	2-69 E Studies in Olympic Culture	3.0	3.0	0.0	
PEM0105	2-70 Professional Development and Assessment of Physical Education Teachers	3.0	3.0	0.0	
PEM0106	2-71 Studies in Recreational Sport	3.0	3.0	0.0	
PEC9002	2-72 Internship in Sport and Leisure Industry	3.0	0.0	6.0	
PEC9003	2-73 E Management of Sport Events	3.0	3.0	0.0	
PEC8009	2-74 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC8008	2-75 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC9001	2-76 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC0145	2-77 Big Data and Visualization in Sports	3.0	3.0	0.0	
PEC0146	2-78 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8001	2-79 Special Topics on Sport Economics	3.0	3.0	0.0	
PEC8003	2-80 Seminar in Physical Education and Sport History	3.0	3.0	0.0	
PEC8004	2-81 Philosophy of Play	3.0	3.0	0.0	
PEC8005	2-82 Integrated Studies of the Eastern and Western Philosophy of Sport	3.0	3.0	0.0	
PEC8006	2-83 Studies in Historical and Sociological Aspects of Sports	3.0	3.0	0.0	
PEC8007	2-84 Special Topics on Physical Activity Cognitive Neuroscience	3.0	3.0	0.0	
PEC9004	2-85 Athletic Training Practicum (I)	2.0	2.0	0.0	
PEC9005	2-86 Athletic Training Practicum (II)	2.0	2.0	0.0	
PEC8012	2-87 Advanced Human Physiology	3.0	3.0	0.0	
PEC8013	2-88 Health Behaviors and Sports Development for People with Disabilities	3.0	3.0	0.0	

## C-1. Required Course for Group of Sport and Recreation Industry Management, 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0027	1 Research Methodology	3.0	3.0	0.0	
PEM0024	2 Statistics and Experimental Design(I)	3.0	3.0	0.0	

## C-2. Elective Course for Group of Sport and Recreation Industry Management, 9.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
<b>1 Core curriculum 9.0 credits are required</b>					
PEM0033	1-1 Seminar in Sport Management	3.0	3.0	0.0	
PEM0074	1-2 Studies in Sport Sociology	3.0	3.0	0.0	
PEM0106	1-3 Studies in Recreational Sport	3.0	3.0	0.0	
<b>2 General elective courses 0.0 credit is required</b>					
PEC0005	2-1 Advanced Comparative Physical Education and Sport	3.0	3.0	0.0	
PEC0013	2-2 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0016	2-3 Special Topics on Sport and Legal Issues	3.0	3.0	0.0	
PEC0023	2-4 Biochemistry	3.0	3.0	0.0	
PEC0028	2-5 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0029	2-6 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0030	2-7 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0031	2-8 Qualitative Research Methods in Physical Education	3.0	3.0	0.0	
PEC0035	2-9 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0036	2-10 Special Topics in Physical Education Curriculum	3.0	3.0	0.0	
PEC0039	2-11 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	2-12 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0050	2-13 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	2-14 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	2-15 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0071	2-16 Special Topics in Philosophy of Sport	3.0	3.0	0.0	
PEC0075	2-17 Public Relations and Physical Education and Sport	3.0	3.0	0.0	
PEC0076	2-18 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0081	2-19 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	2-20 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0090	2-21 Administration and Management of Physical Education in Schools	3.0	3.0	0.0	
PEC0092	2-22 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	
PEC0103	2-23 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0104	2-24 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0105	2-25 Studies in Philosophy of Sport Embodiment	3.0	3.0	0.0	
PEC0106	2-26 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
PEC0107	2-27 Studies in Sport Experience	3.0	3.0	0.0	
PEC8002	2-28 Sports History: Studies and Practices	3.0	3.0	0.0	
PEC0109	2-29 Special Topics on Sports Culture	3.0	3.0	0.0	
PEC0110	2-30 Studies in Women's Sport History	3.0	3.0	0.0	
PEC0115	2-31 E Special Topics in Motor Learning	3.0	3.0	0.0	
PEC0117	2-32 Special Topics on Motor Development	3.0	3.0	0.0	
PEC0118	2-33 Special Topics on Physical Activity Psychology	3.0	3.0	0.0	
PEC0119	2-34 Learning and Motor Learning Theories	3.0	3.0	0.0	
PEC0120	2-35 Ecological Psychology in Motor Behavior	3.0	3.0	0.0	
PEC0121	2-36 Special Topics on Sport Psychophysiology	3.0	3.0	0.0	
PEC0122	2-37 Special Topics on Exercise Psychophysiology	3.0	3.0	0.0	
PEC0123	2-38 Special Topics on Psychophysiological Measurements in Physical Activity	3.0	3.0	0.0	
PEC0124	2-39 Special Topics on Physical Activity Motivation	3.0	3.0	0.0	
PEC0125	2-40 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0126	2-41 Studies in Kinesiology	3.0	3.0	0.0	
PEC0127	2-42 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	2-43 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	2-44 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	2-45 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC0131	2-46 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	
PEC0133	2-47 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0134	2-48 Sport Medicine	3.0	3.0	0.0	
PEC0135	2-49 Exercise Immunology	3.0	3.0	0.0	
PEC0136	2-50 Special Topics in Principles of Physical Education	3.0	3.0	0.0	
PEC0137	2-51 Organizational Behavior in Physical Education and Sport	3.0	3.0	0.0	
PEC0138	2-52 Human Resource Management in Physical Education	3.0	3.0	0.0	
PEC0139	2-53 Special Topics on Sport and Recreational Facilities	3.0	3.0	0.0	
PEC0142	2-54 E Studies in Exercise Psychology	3.0	3.0	0.0	
PEC0143	2-55 Studies in Sport Psychology	3.0	3.0	0.0	
PEC0144	2-56 Studies in Coaching Psychology	3.0	3.0	0.0	
PEM0004	2-57 Studies in Physical Education Curriculum	3.0	3.0	0.0	
PEM0005	2-58 Research on Teaching Physical Education	3.0	3.0	0.0	
PEM0020	2-59 Studies in Philosophy of Sport	3.0	3.0	0.0	
PEM0023	2-60 Studies in Sport Marketing	3.0	3.0	0.0	
PEM0032	2-61 Advanced Principles of Physical Education	3.0	3.0	0.0	
PEM0029	2-62 Studies in Sports and Exercise Training	3.0	3.0	0.0	
PEM0056	2-63 Studies in Physical Education Curriculum for Elementary and Secondary Schools	3.0	3.0	0.0	
PEM0071	2-64 Analysis of Physical Education Teaching	3.0	3.0	0.0	
PEM0075	2-65 Studies in International Trends of Physical Education and Sport	3.0	3.0	0.0	
PEM0095	2-66 Studies in Physical Education and Sports in China	3.0	3.0	0.0	
PEM0097	2-67 Studies in Sport and Media	3.0	3.0	0.0	
PEM0100	2-68 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEC8010	2-69 Studies in Modern Physical Education and Sport History	3.0	3.0	0.0	
PEC8011	2-70 E Studies in Olympic Culture	3.0	3.0	0.0	
PEM0105	2-71 Professional Development and Assessment of Physical Education Teachers	3.0	3.0	0.0	
PEC9002	2-72 Internship in Sport and Leisure Industry	3.0	0.0	6.0	
PEM0108	2-73 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
PEC9003	2-74 E Management of Sport Events	3.0	3.0	0.0	
PEC8009	2-75 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC8008	2-76 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC9001	2-77 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC0145	2-78 Big Data and Visualization in Sports	3.0	3.0	0.0	
PEC0146	2-79 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8001	2-80 Special Topics on Sport Economics	3.0	3.0	0.0	
PEC8003	2-81 Seminar in Physical Education and Sport History	3.0	3.0	0.0	
PEC8004	2-82 Philosophy of Play	3.0	3.0	0.0	
PEC8005	2-83 Integrated Studies of the Eastern and Western Philosophy of Sport	3.0	3.0	0.0	
PEC8006	2-84 Studies in Historical and Sociological Aspects of Sports	3.0	3.0	0.0	
PEC8007	2-85 Special Topics on Physical Activity Cognitive Neuroscience	3.0	3.0	0.0	
PEC9004	2-86 Athletic Training Practicum (I)	2.0	2.0	0.0	
PEC9005	2-87 Athletic Training Practicum (II)	2.0	2.0	0.0	
PEC8012	2-88 Advanced Human Physiology	3.0	3.0	0.0	
PEC8013	2-89 Health Behaviors and Sports Development for People with Disabilities	3.0	3.0	0.0	

D-1. Required Course for Group of Sport Physiology, 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0027	1 Research Methodology	3.0	3.0	0.0	
PEM0024	2 Statistics and Experimental Design(I)	3.0	3.0	0.0	

D-2. Elective Course for Group of Sport Physiology, 12.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
	1 Core curriculum 12.0 credits are required, 4 courses are least required Choose any four courses as core courses				
PEC0131	1-1 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0133	1-2 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	
PEC8012	1-3 Advanced Human Physiology	3.0	3.0	0.0	
PEC0023	1-4 Biochemistry	3.0	3.0	0.0	
PEC0028	1-5 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0030	1-6 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0039	1-7 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	1-8 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0081	1-9 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	1-10 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0134	1-11 Sport Medicine	3.0	3.0	0.0	
PEC0135	1-12 Exercise Immunology	3.0	3.0	0.0	
PEC0146	1-13 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8009	1-14 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC9001	1-15 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
2 General elective courses 0.0 credit is required					
PEC0005	2-1 Advanced Comparative Physical Education and Sport	3.0	3.0	0.0	
PEC0013	2-2 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0016	2-3 Special Topics on Sport and Legal Issues	3.0	3.0	0.0	
PEC0029	2-4 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0031	2-5 Qualitative Research Methods in Physical Education	3.0	3.0	0.0	
PEC0035	2-6 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0036	2-7 Special Topics in Physical Education Curriculum	3.0	3.0	0.0	
PEC0050	2-8 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	2-9 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	2-10 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0071	2-11 Special Topics in Philosophy of Sport	3.0	3.0	0.0	
PEC0075	2-12 Public Relations and Physical Education and Sport	3.0	3.0	0.0	
PEC0076	2-13 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0090	2-14 Administration and Management of Physical Education in Schools	3.0	3.0	0.0	
PEC0092	2-15 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	
PEC0103	2-16 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0104	2-17 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0105	2-18 Studies in Philosophy of Sport Embodiment	3.0	3.0	0.0	
PEC0106	2-19 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
PEC0107	2-20 Studies in Sport Experience	3.0	3.0	0.0	
PEC8002	2-21 Sports History: Studies and Practices	3.0	3.0	0.0	
PEC0109	2-22 Special Topics on Sports Culture	3.0	3.0	0.0	
PEC0110	2-23 Studies in Women's Sport History	3.0	3.0	0.0	
PEC0115	2-24 E Special Topics in Motor Learning	3.0	3.0	0.0	
PEC0117	2-25 Special Topics on Motor Development	3.0	3.0	0.0	
PEC0118	2-26 Special Topics on Physical Activity Psychology	3.0	3.0	0.0	
PEC0119	2-27 Learning and Motor Learning Theories	3.0	3.0	0.0	
PEC0120	2-28 Ecological Psychology in Motor Behavior	3.0	3.0	0.0	
PEC0121	2-29 Special Topics on Sport Psychophysiology	3.0	3.0	0.0	
PEC0122	2-30 Special Topics on Exercise Psychophysiology	3.0	3.0	0.0	
PEC0123	2-31 Special Topics on Psychophysiological Measurements in Physical Activity	3.0	3.0	0.0	
PEC0124	2-32 Special Topics on Physical Activity Motivation	3.0	3.0	0.0	
PEC0125	2-33 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0126	2-34 Studies in Kinesiology	3.0	3.0	0.0	
PEC0127	2-35 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	2-36 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	2-37 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	2-38 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC0136	2-39 Special Topics in Principles of Physical Education	3.0	3.0	0.0	
PEC0137	2-40 Organizational Behavior in Physical Education and Sport	3.0	3.0	0.0	
PEC0138	2-41 Human Resource Management in Physical Education	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0139	2-42 Special Topics on Sport and Recreational Facilities	3.0	3.0	0.0	
PEC0142	2-43 E Studies in Exercise Psychology	3.0	3.0	0.0	
PEC0143	2-44 Studies in Sport Psychology	3.0	3.0	0.0	
PEC0144	2-45 Studies in Coaching Psychology	3.0	3.0	0.0	
PEM0004	2-46 Studies in Physical Education Curriculum	3.0	3.0	0.0	
PEM0005	2-47 Research on Teaching Physical Education	3.0	3.0	0.0	
PEM0020	2-48 Studies in Philosophy of Sport	3.0	3.0	0.0	
PEM0023	2-49 Studies in Sport Marketing	3.0	3.0	0.0	
PEM0032	2-50 Advanced Principles of Physical Education	3.0	3.0	0.0	
PEM0033	2-51 Seminar in Sport Management	3.0	3.0	0.0	
PEM0029	2-52 Studies in Sports and Exercise Training	3.0	3.0	0.0	
PEM0056	2-53 Studies in Physical Education Curriculum for Elementary and Secondary Schools	3.0	3.0	0.0	
PEM0071	2-54 Analysis of Physical Education Teaching	3.0	3.0	0.0	
PEM0074	2-55 Studies in Sport Sociology	3.0	3.0	0.0	
PEM0075	2-56 Studies in International Trends of Physical Education and Sport	3.0	3.0	0.0	
PEM0095	2-57 Studies in Physical Education and Sports in China	3.0	3.0	0.0	
PEM0097	2-58 Studies in Sport and Media	3.0	3.0	0.0	
PEM0100	2-59 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEC8010	2-60 Studies in Modern Physical Education and Sport History	3.0	3.0	0.0	
PEC8011	2-61 E Studies in Olympic Culture	3.0	3.0	0.0	
PEM0105	2-62 Professional Development and Assessment of Physical Education Teachers	3.0	3.0	0.0	
PEM0106	2-63 Studies in Recreational Sport	3.0	3.0	0.0	
PEC9002	2-64 Internship in Sport and Leisure Industry	3.0	0.0	6.0	
PEM0108	2-65 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
PEC9003	2-66 E Management of Sport Events	3.0	3.0	0.0	
PEC8008	2-67 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC0145	2-68 Big Data and Visualization in Sports	3.0	3.0	0.0	
PEC8001	2-69 Special Topics on Sport Economics	3.0	3.0	0.0	
PEC8003	2-70 Seminar in Physical Education and Sport History	3.0	3.0	0.0	
PEC8004	2-71 Philosophy of Play	3.0	3.0	0.0	
PEC8005	2-72 Integrated Studies of the Eastern and Western Philosophy of Sport	3.0	3.0	0.0	
PEC8006	2-73 Studies in Historical and Sociological Aspects of Sports	3.0	3.0	0.0	
PEC8007	2-74 Special Topics on Physical Activity Cognitive Neuroscience	3.0	3.0	0.0	
PEC9004	2-75 Athletic Training Practicum (I)	2.0	2.0	0.0	
PEC9005	2-76 Athletic Training Practicum (II)	2.0	2.0	0.0	
PEC0023	2-77 Biochemistry	3.0	3.0	0.0	
PEC0028	2-78 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0030	2-79 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0039	2-80 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	2-81 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0081	2-82 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	2-83 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0131	2-84 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	
PEC0133	2-85 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	
PEC0134	2-86 Sport Medicine	3.0	3.0	0.0	
PEC0135	2-87 Exercise Immunology	3.0	3.0	0.0	
PEC0146	2-88 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8009	2-89 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC9001	2-90 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC8012	2-91 Advanced Human Physiology	3.0	3.0	0.0	
PEC8013	2-92 Health Behaviors and Sports Development for People with Disabilities	3.0	3.0	0.0	

E-1. Required Course for Group of Sports Biomechanics, 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0027	1 Research Methodology	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0024	2 Statistics and Experimental Design(I)	3.0	3.0	0.0	

E-2. Elective Course for Group of Sports Biomechanics, 9.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
1 Core curriculum 9.0 credits are required, 3 courses are least required Choose any three courses as core courses					
PEC0126	1-1 Studies in Kinesiology	3.0	3.0	0.0	
PEC0125	1-2 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0013	1-3 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0029	1-4 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0035	1-5 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0050	1-6 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	1-7 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	1-8 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0076	1-9 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0103	1-10 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0127	1-11 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	1-12 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	1-13 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	1-14 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
2 General elective courses					
PEC0005	2-1 Advanced Comparative Physical Education and Sport	3.0	3.0	0.0	
PEC0016	2-2 Special Topics on Sport and Legal Issues	3.0	3.0	0.0	
PEC0023	2-3 Biochemistry	3.0	3.0	0.0	
PEC0028	2-4 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0030	2-5 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0031	2-6 Qualitative Research Methods in Physical Education	3.0	3.0	0.0	
PEC0036	2-7 Special Topics in Physical Education Curriculum	3.0	3.0	0.0	
PEC0039	2-8 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	2-9 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0071	2-10 Special Topics in Philosophy of Sport	3.0	3.0	0.0	
PEC0075	2-11 Public Relations and Physical Education and Sport	3.0	3.0	0.0	
PEC0081	2-12 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	2-13 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0090	2-14 Administration and Management of Physical Education in Schools	3.0	3.0	0.0	
PEC0092	2-15 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	
PEC0104	2-16 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0105	2-17 Studies in Philosophy of Sport Embodiment	3.0	3.0	0.0	
PEC0106	2-18 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
PEC0107	2-19 Studies in Sport Experience	3.0	3.0	0.0	
PEC8002	2-20 Sports History: Studies and Practices	3.0	3.0	0.0	
PEC0109	2-21 Special Topics on Sports Culture	3.0	3.0	0.0	
PEC0110	2-22 Studies in Women's Sport History	3.0	3.0	0.0	
PEC0115	2-23 E Special Topics in Motor Learning	3.0	3.0	0.0	
PEC0117	2-24 Special Topics on Motor Development	3.0	3.0	0.0	
PEC0118	2-25 Special Topics on Physical Activity Psychology	3.0	3.0	0.0	
PEC0119	2-26 Learning and Motor Learning Theories	3.0	3.0	0.0	
PEC0120	2-27 Ecological Psychology in Motor Behavior	3.0	3.0	0.0	
PEC0121	2-28 Special Topics on Sport Psychophysiology	3.0	3.0	0.0	
PEC0122	2-29 Special Topics on Exercise Psychophysiology	3.0	3.0	0.0	
PEC0123	2-30 Special Topics on Psychophysiological Measurements in Physical Activity	3.0	3.0	0.0	
PEC0124	2-31 Special Topics on Physical Activity Motivation	3.0	3.0	0.0	
PEC0131	2-32 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	
PEC0133	2-33 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	
PEC0134	2-34 Sport Medicine	3.0	3.0	0.0	
PEC0135	2-35 Exercise Immunology	3.0	3.0	0.0	
PEC0136	2-36 Special Topics in Principles of Physical Education	3.0	3.0	0.0	
PEC0137	2-37 Organizational Behavior in Physical Education and Sport	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0138	2-38 Human Resource Management in Physical Education	3.0	3.0	0.0	
PEC0139	2-39 Special Topics on Sport and Recreational Facilities	3.0	3.0	0.0	
PEC0142	2-40 E Studies in Exercise Psychology	3.0	3.0	0.0	
PEC0143	2-41 Studies in Sport Psychology	3.0	3.0	0.0	
PEC0144	2-42 Studies in Coaching Psychology	3.0	3.0	0.0	
PEM0004	2-43 Studies in Physical Education Curriculum	3.0	3.0	0.0	
PEM0005	2-44 Research on Teaching Physical Education	3.0	3.0	0.0	
PEM0020	2-45 Studies in Philosophy of Sport	3.0	3.0	0.0	
PEM0023	2-46 Studies in Sport Marketing	3.0	3.0	0.0	
PEM0032	2-47 Advanced Principles of Physical Education	3.0	3.0	0.0	
PEM0033	2-48 Seminar in Sport Management	3.0	3.0	0.0	
PEM0029	2-49 Studies in Sports and Exercise Training	3.0	3.0	0.0	
PEM0056	2-50 Studies in Physical Education Curriculum for Elementary and Secondary Schools	3.0	3.0	0.0	
PEM0071	2-51 Analysis of Physical Education Teaching	3.0	3.0	0.0	
PEM0074	2-52 Studies in Sport Sociology	3.0	3.0	0.0	
PEM0075	2-53 Studies in International Trends of Physical Education and Sport	3.0	3.0	0.0	
PEM0095	2-54 Studies in Physical Education and Sports in China	3.0	3.0	0.0	
PEM0097	2-55 Studies in Sport and Media	3.0	3.0	0.0	
PEM0100	2-56 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEC8010	2-57 Studies in Modern Physical Education and Sport History	3.0	3.0	0.0	
PEC8011	2-58 E Studies in Olympic Culture	3.0	3.0	0.0	
PEM0105	2-59 Professional Development and Assessment of Physical Education Teachers	3.0	3.0	0.0	
PEM0106	2-60 Studies in Recreational Sport	3.0	3.0	0.0	
PEC9002	2-61 Internship in Sport and Leisure Industry	3.0	0.0	6.0	
PEM0108	2-62 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
PEC9003	2-63 E Management of Sport Events	3.0	3.0	0.0	
PEC8009	2-64 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC8008	2-65 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC0145	2-66 Big Data and Visualization in Sports	3.0	3.0	0.0	
PEC0146	2-67 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8001	2-68 Special Topics on Sport Economics	3.0	3.0	0.0	
PEC8003	2-69 Seminar in Physical Education and Sport History	3.0	3.0	0.0	
PEC8004	2-70 Philosophy of Play	3.0	3.0	0.0	
PEC8005	2-71 Integrated Studies of the Eastern and Western Philosophy of Sport	3.0	3.0	0.0	
PEC8006	2-72 Studies in Historical and Sociological Aspects of Sports	3.0	3.0	0.0	
PEC8007	2-73 Special Topics on Physical Activity Cognitive Neuroscience	3.0	3.0	0.0	
PEC9001	2-74 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC9004	2-75 Athletic Training Practicum (I)	2.0	2.0	0.0	
PEC9005	2-76 Athletic Training Practicum (II)	2.0	2.0	0.0	
PEC0013	2-77 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0029	2-78 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0035	2-79 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0050	2-80 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	2-81 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	2-82 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0076	2-83 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0103	2-84 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0125	2-85 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0126	2-86 Studies in Kinesiology	3.0	3.0	0.0	
PEC0127	2-87 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	2-88 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	2-89 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	2-90 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC8012	2-91 Advanced Human Physiology	3.0	3.0	0.0	
PEC8013	2-92 Health Behaviors and Sports Development for People with Disabilities	3.0	3.0	0.0	

## F-1. Required Course for Group of Physical Activity Psychology, 6.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEM0027	1 Research Methodology	3.0	3.0	0.0	
PEM0024	2 Statistics and Experimental Design(I)	3.0	3.0	0.0	

## F-2. Elective Course for Group of Physical Activity Psychology, 9.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
1 Core curriculum 9.0 credits are required Choose 3 courses from 4					
PEC0143	1-1 Studies in Sport Psychology	3.0	3.0	0.0	
PEC0115	1-2 E Special Topics in Motor Learning	3.0	3.0	0.0	
PEC0122	1-3 Special Topics on Exercise Psychophysiology	3.0	3.0	0.0	
PEC0142	1-4 E Studies in Exercise Psychology	3.0	3.0	0.0	
2 General elective courses 0.0 credit is required					
PEC0005	2-1 Advanced Comparative Physical Education and Sport	3.0	3.0	0.0	
PEC0013	2-2 Research Methods in Sport Biomechanics	3.0	3.0	0.0	
PEC0016	2-3 Special Topics on Sport and Legal Issues	3.0	3.0	0.0	
PEC0023	2-4 Biochemistry	3.0	3.0	0.0	
PEC0028	2-5 Special Topics in Exercise Biochemistry	3.0	3.0	0.0	
PEC0029	2-6 Special Topics in Sport Techniques	3.0	3.0	0.0	
PEC0030	2-7 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0031	2-8 Qualitative Research Methods in Physical Education	3.0	3.0	0.0	
PEC0035	2-9 Qualitative Analysis of Sport Techniques	3.0	3.0	0.0	
PEC0036	2-10 Special Topics in Physical Education Curriculum	3.0	3.0	0.0	
PEC0039	2-11 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0040	2-12 Special Topics in Exercise and Disease	3.0	3.0	0.0	
PEC0050	2-13 Special Topics in Electromyographic Analysis	3.0	3.0	0.0	
PEC0051	2-14 Special Topics in Human Gait Analysis	3.0	3.0	0.0	
PEC0069	2-15 Special Topics on Dynamic System Approaches in Biomechanics	3.0	3.0	0.0	
PEC0071	2-16 Special Topics in Philosophy of Sport	3.0	3.0	0.0	
PEC0075	2-17 Public Relations and Physical Education and Sport	3.0	3.0	0.0	
PEC0076	2-18 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0081	2-19 Special Topics in Exercise Physiology	3.0	3.0	0.0	
PEC0085	2-20 Special Topics in Aging and Physical Fitness	3.0	3.0	0.0	
PEC0090	2-21 Administration and Management of Physical Education in Schools	3.0	3.0	0.0	
PEC0092	2-22 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	
PEC0103	2-23 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC0104	2-24 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0105	2-25 Studies in Philosophy of Sport Embodiment	3.0	3.0	0.0	
PEC0106	2-26 Studies in Modern Taiwanese Physical Education and Sport History	3.0	3.0	0.0	
PEC0107	2-27 Studies in Sport Experience	3.0	3.0	0.0	
PEC8002	2-28 Sports History: Studies and Practices	3.0	3.0	0.0	
PEC0109	2-29 Special Topics on Sports Culture	3.0	3.0	0.0	
PEC0110	2-30 Studies in Women's Sport History	3.0	3.0	0.0	
PEC0118	2-31 Special Topics on Physical Activity Psychology	3.0	3.0	0.0	
PEC0119	2-32 Learning and Motor Learning Theories	3.0	3.0	0.0	
PEC0120	2-33 Ecological Psychology in Motor Behavior	3.0	3.0	0.0	
PEC0121	2-34 Special Topics on Sport Psychophysiology	3.0	3.0	0.0	
PEC0123	2-35 Special Topics on Psychophysiological Measurements in Physical Activity	3.0	3.0	0.0	
PEC0124	2-36 Special Topics on Physical Activity Motivation	3.0	3.0	0.0	
PEC0125	2-37 Advanced Sport Biomechanics	3.0	3.0	0.0	
PEC0126	2-38 Studies in Kinesiology	3.0	3.0	0.0	
PEC0127	2-39 Application of Advanced Dynamics in Biomechanics	3.0	3.0	0.0	
PEC0128	2-40 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0129	2-41 Bioengineering and Biomechanics	3.0	3.0	0.0	
PEC0130	2-42 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC0131	2-43 Advanced Exercise Physiology (Including Experiments)	3.0	0.0	6.0	
PEC0133	2-44 Research on Physical Fitness and Exercise Prescription	3.0	3.0	0.0	
PEC0134	2-45 Sport Medicine	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0135	2-46 Exercise Immunology	3.0	3.0	0.0	
PEC0136	2-47 Special Topics in Principles of Physical Education	3.0	3.0	0.0	
PEC0137	2-48 Organizational Behavior in Physical Education and Sport	3.0	3.0	0.0	
PEC0138	2-49 Human Resource Management in Physical Education	3.0	3.0	0.0	
PEC0139	2-50 Special Topics on Sport and Recreational Facilities	3.0	3.0	0.0	
PEC0144	2-51 Studies in Coaching Psychology	3.0	3.0	0.0	
PEM0004	2-52 Studies in Physical Education Curriculum	3.0	3.0	0.0	
PEM0005	2-53 Research on Teaching Physical Education	3.0	3.0	0.0	
PEM0020	2-54 Studies in Philosophy of Sport	3.0	3.0	0.0	
PEM0023	2-55 Studies in Sport Marketing	3.0	3.0	0.0	
PEM0032	2-56 Advanced Principles of Physical Education	3.0	3.0	0.0	
PEM0033	2-57 Seminar in Sport Management	3.0	3.0	0.0	
PEM0029	2-58 Studies in Sports and Exercise Training	3.0	3.0	0.0	
PEM0056	2-59 Studies in Physical Education Curriculum for Elementary and Secondary Schools	3.0	3.0	0.0	
PEM0071	2-60 Analysis of Physical Education Teaching	3.0	3.0	0.0	
PEM0074	2-61 Studies in Sport Sociology	3.0	3.0	0.0	
PEM0075	2-62 Studies in International Trends of Physical Education and Sport	3.0	3.0	0.0	
PEM0095	2-63 Studies in Physical Education and Sports in China	3.0	3.0	0.0	
PEM0097	2-64 Studies in Sport and Media	3.0	3.0	0.0	
PEM0100	2-65 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEC8010	2-66 Studies in Modern Physical Education and Sport History	3.0	3.0	0.0	
PEC8011	2-67 E Studies in Olympic Culture	3.0	3.0	0.0	
PEM0105	2-68 Professional Development and Assessment of Physical Education Teachers	3.0	3.0	0.0	
PEM0106	2-69 Studies in Recreational Sport	3.0	3.0	0.0	
PEC9002	2-70 Internship in Sport and Leisure Industry	3.0	0.0	6.0	
PEM0108	2-71 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
PEC9003	2-72 E Management of Sport Events	3.0	3.0	0.0	
PEC8007	2-73 Special Topics on Physical Activity Cognitive Neuroscience	3.0	3.0	0.0	
PEC0117	2-74 Special Topics on Motor Development	3.0	3.0	0.0	
PEC8009	2-75 Special Topics in Eccentric Exercise and Training	3.0	3.0	0.0	
PEC8008	2-76 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC0145	2-77 Big Data and Visualization in Sports	3.0	3.0	0.0	
PEC0146	2-78 Special Topics in Exercise and Adipose Tissue Metabolism	3.0	3.0	0.0	
PEC8001	2-79 Special Topics on Sport Economics	3.0	3.0	0.0	
PEC8003	2-80 Seminar in Physical Education and Sport History	3.0	3.0	0.0	
PEC8004	2-81 Philosophy of Play	3.0	3.0	0.0	
PEC8005	2-82 Integrated Studies of the Eastern and Western Philosophy of Sport	3.0	3.0	0.0	
PEC8006	2-83 Studies in Historical and Sociological Aspects of Sports	3.0	3.0	0.0	
PEC9001	2-84 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC9004	2-85 Athletic Training Practicum (I)	2.0	2.0	0.0	
PEC9005	2-86 Athletic Training Practicum (II)	2.0	2.0	0.0	
PEC8012	2-87 Advanced Human Physiology	3.0	3.0	0.0	
PEC8013	2-88 Health Behaviors and Sports Development for People with Disabilities	3.0	3.0	0.0	

G-1. Required Course for Graduate Program in English, 0.0 credit is required

G-2. Elective Course for Graduate Program in English, 15.0 credits are required

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC9001	1 E Program Design as Related to Strength and Conditioning	3.0	3.0	0.0	
PEC9003	2 E Management of Sport Events	3.0	3.0	0.0	
PEM0100	3 E Studies in Strategic Sport Sponsorship	3.0	3.0	0.0	
PEM0108	4 E Studies in Teacher Education- Physical Education	3.0	3.0	0.0	
PEC8011	5 E Studies in Olympic Culture	3.0	3.0	0.0	
PEC0115	6 E Special Topics in Motor Learning	3.0	3.0	0.0	

Course Code	Course Name	Credit(s)	Credit Unit		Note
			Lecture Hour	Lab/Practice Hour	
PEC0142	7 E Studies in Exercise Psychology	3.0	3.0	0.0	
PEC0030	8 E Studies in Sport Nutrition	3.0	3.0	0.0	
PEC0039	9 E Special Topics in Exercise Energy Metabolism	3.0	3.0	0.0	
PEC0076	10 E Special Topics in Sport Biomechanics	3.0	3.0	0.0	
PEC0103	11 E Biomechanics of Skeletal System	3.0	3.0	0.0	
PEC8008	12 E Academic Writing and Oral Presentation for Sport Sciences	3.0	3.0	0.0	
PEC0104	13 E Analytical Studies in Sport Sciences	3.0	3.0	0.0	
PEC0128	14 E Research of Applied Mechanics in Biomechanics	3.0	3.0	0.0	
PEC0130	15 E Special Topics in Sports Equipment Design	3.0	3.0	0.0	
PEC0092	16 E Special Topics in Adapted Physical Education	3.0	3.0	0.0	

#### IV. Free Elective Credits

A Free Elective Credit for Group of Sport Literature, History and Philosophy, 15.0 credits are required

B Free Elective Credit for Group of Sport Pedagogy, 15.0 credits are required

C Free Elective Credit for Group of Sport and Recreation Industry Management, 15.0 credits are required

D Free Elective Credit for Group of Sport Physiology, 12.0 credits are required

E Free Elective Credit for Group of Sports Biomechanics, 15.0 credits are required

F Free Elective Credit for Group of Physical Activity Psychology, 15.0 credits are required

G Free Elective Credit for Graduate Program in English, 15.0 credits are required