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Highlights of a Comparative Study of the Educational System for Physical Education in Liberal Arts Higher Education (PEHE) Courses in Japan, Korea and Taiwan

1) Kazuhiro Kajita, 2) Atsushi Kiuchi, 3) Kyungjin Park, 4) Po-Hsiu Lin, 2) Etsushi Hasegawa, 2) Akira Nakagawa

1) Faculty of Health and Sport Sciences, Tsukuba International Academy for Sport Studies (TIAS), University of Tsukuba, Japan

2) Faculty of Health and Sport Sciences, University of Tsukuba, Japan

3) Faculty of Liberal Arts, University of the Sacred Heart, Tokyo, Japan

4) Graduate Institute of Sport, Leisure and Hospitality Management, National Taiwan Normal University, Taiwan

Summary

- Existence of PEHE courses in **Taiwan-99.3%**, **Japan-97.7%** and **Korea-90.0%** at colleges and universities (hereafter, CUs).
- Existence of PEHE courses as compulsory subjects in **Taiwan-100%** (100%), **Japan-28.0%** (40.8%) and **Korea-6.4%** (8.2%) * at CUs.
* There are two results of compulsory subjects as follows : Main percentage data = Compulsory at all undergraduate departments; (In parenthesis) = Compulsory at some undergraduate departments.
- There were a number of CUs offering courses mainly dealing with practical PEHE courses in **Taiwan-100%**, **Japan-98.2%**, and **Korea-90.4%** at CUs.
- There were a number of CUs offering lectures of PEHE courses **Korea-63.9%**, **Japan-63.4%** and **Taiwan-0%** at CUs.
- The educational goals most emphasized in PEHE courses were "Understanding the importance of cooperative play and improvement in communication skills" in **Japan**, "Improvements in physical strength and physical activities" in **Korea**, and "Establishment of regular lifestyles" in **Taiwan** at CUs.
- The viewpoint of grading evaluation most emphasized in PEHE courses were "Attitude/Motivation" in **Japan**, and "Motor skill" in **Korea** and **Taiwan** at CUs.
- The number of highest degree faculty members in charge of PEHE courses was the doctor's degree in **Korea** at CUs, compared to master's degree in **Japan** and **Taiwan** at CUs.
- The part-time lecturers were more than half of the number of faculty in charge of PEHE courses in **Korea** at CUs, while the full-time faculty members were more than half of the number of faculty in charge of PEHE courses in **Japan** and **Taiwan** at CUs.

Purpose

'Study investigated current status of PEHE courses for all CUs and educational system of PEHE courses in Japan, Korea & Taiwan with the aim to acquire information as basic materials contributing to PEHE courses in CUs, from comparing the current status in each country'

Methods

S 1 " A complete survey of PEHE courses for all CUs "

→ 1) Existence of PEHE course, 2) Compulsory or optional, 3) Course type

- ◆ **Japan** : 742 CUs (national-81, public-86, private-575)
- ◆ **Korea** : 190 CUs (national-44, public-1, private-145)
- ❖ Web research → CUs regulations, handbook and syllabus.
- ◆ **Taiwan** : 143 CUs (national-48, public-1, private-94)
- ❖ Research data of the Ministry of Education in Taiwan (2017)
- ❖ Research period → August 2016 - March 2018.
- * Excluding graduate universities and PE colleges in each country.

S 2 " A sampling survey for PEHE courses at CUs "

→ The educational system of PEHE (Curriculum, Faculty profile, Course status)

- ◆ **Japan** : 50 CUs (national-13, public-5, private-32)
- ◆ **Korea** : 10 CUs (national-2, private-8)
- ◆ **Taiwan** : 10 CUs (national-5, private-5)
- ❖ Questionnaire and Interview survey → Purposeful sampling
- ❖ Research period → May 2017 - June 2018.
- * In Korea and Taiwan, we observed PEHE classes and examined current status.

Results and Discussion

S 1 " A complete survey of PEHE courses for all CUs "

Table 1. Offered rates of PEHE courses at CUs in Japan, Korea and Taiwan

Offered rate of PEHE courses	Overall (%; CUs)			National and public (%; CUs)			Private (%; CUs)											
	Japan	Korea	Taiwan	Japan	Korea	Taiwan	Japan	Korea	Taiwan									
The overall offered PEHE course	97.7	725	90.0	171	99.3	142	98.8	165	100.0	45	97.9	48	97.4	560	86.9	126	100.0	94
Practical PEHE course	98.2	712	90.4	150	100.0	141	98.8	163	82.2	37	100.0	47	98.0	549	93.4	113	100.0	94
Lecture of PEHE course	63.4	460	63.9	106	0.0	0	61.2	101	48.9	22	0.0	0	64.1	359	69.4	84	0.0	0
Practical and lecture of PEHE course	61.7	447	53.0	88	0.0	0	60.0	99	44.4	20	0.0	0	62.1	348	56.2	68	0.0	0

Table 2. Compulsory rates of PEHE courses at CUs in Japan, Korea and Taiwan

Compulsory rate of PEHE courses	Overall (%; CUs)			National and public (%; CUs)			Private (%; CUs)											
	Japan	Korea	Taiwan	Japan	Korea	Taiwan	Japan	Korea	Taiwan									
All undergraduate departments	28.0	203	7.0	12	100.0	141	58.2	96	15.6	7	100.0	47	19.1	107	4.0	5	100.0	94
Some undergraduate departments	40.8	296	8.8	15	100.0	141	70.3	116	22.2	10	100.0	47	32.1	180	4.0	5	100.0	94
Practical PEHE course	38.6	280	8.8	15	100.0	141	67.9	112	22.2	10	100.0	47	30.0	168	3.3	5	100.0	94
Lecture of PEHE course	12.7	92	0.6	1	0.0	0	20.6	34	0.0	0	0.0	0	10.4	58	0.8	1	0.0	0
Practical and lecture of PEHE course	10.5	76	0.6	1	0.0	0	18.2	30	0.0	0	0.0	0	8.2	46	0.8	1	0.0	0

◆ Almost all CUs had offered mainly practical PEHE courses in Japan, Korea and Taiwan, and their compulsory rates was Korea < Japan < Taiwan.

◆ The educational goals most emphasized in PEHE courses were different in each country, but Korea and Taiwan had commonality from the viewpoint of grade evaluation.

◆ The number of highest degree faculty members with doctor's degree in charge of PEHE courses at CUs was in Korea, and the lowest rate of part-time lecturers in charge of PEHE courses was in Japan.

* Welcome research cooperation opportunities : please mail Kazuhiro KAJITA at "k7615706@gmail.com"

S 2 " A sampling survey of PEHE courses at CUs "

Table 3. Educational goals emphasized in PEHE courses at CUs in Japan, Korea and Taiwan

Most emphasized educational goals in PEHE courses	Overall (point)			National and public (point)			Private (point)		
	Japan	Korea	Taiwan	Japan	Korea	Taiwan	Japan	Korea	Taiwan
Understanding the importance of cooperative play and improvement in communication skills	4.1	2.9	2.7	4.0	3.5	2.8	4.2	2.5	2.6
Improvements in physical strength and physical activities	3.3	4.1	3.5	3.4	5.0	3.6	3.2	3.4	3.4
Acquisition of exercise skills and training methods	2.9	3.5	3.1	3.2	2.5	3.2	2.8	3.8	3.0
Establishment of regular lifestyles	2.4	1.4	3.7	2.2	1.0	3.6	2.6	1.3	3.8
Stress coping and arousal of positive feeling	2.3	3.1	2.0	2.2	3.0	1.8	2.3	2.9	2.2

Table 4. Grading evaluation emphasized in PEHE courses at CUs in Japan, Korea and Taiwan

Viewpoint of grading evaluation	Overall (%)			National and public (%)			Private (%)		
	Japan	Korea	Taiwan	Japan	Korea	Taiwan	Japan	Korea	Taiwan
Attitude / Motivation	48.0	26.7	29.5	46.7	32.5	25.0	48.9	25.0	34.0
Knowledge / Understanding	28.6	20.0	24.5	29.8	12.5	21.0	27.9	22.1	28.0
Motor skills	23.4	53.3	46.0	23.6	55.0	54.0	23.2	52.9	38.0

Table 5. Faculty members profile of PEHE courses at CUs in Japan, Korea and Taiwan

Faculty profile of PEHE courses	Overall (%)			National and public (%)			Private (%)		
	Japan	Korea	Taiwan	Japan	Korea	Taiwan	Japan	Korea	Taiwan
Number of faculty members / full-time faculty	52.4	50.4	53.0	60.0	24.6	55.4	47.5	56.9	50.6
Number of faculty members / part-time faculty	47.6	49.6	47.0	40.0	75.5	44.6	52.5	43.1	49.3
In charge of PEHE course / full-time faculty	60.7	45.5	52.5	62.2	18.2	53.4	59.7	52.4	51.6
In charge of PEHE course / part-time lecturer	39.3	54.5	47.5	37.8	81.9	46.6	40.3	47.6	48.4
Highest acquisition degree / Doctor's degree	31.9	75.9	32.0	44.0	67.5	40.6	25.0	78.0	23.0
Highest acquisition degree / Master's degree	55.4	22.1	59.6	47.9	25.0	51.0	59.6	21.4	68.2
Highest acquisition degree / Bachelor degree	12.8	2.0	9.4	8.1	7.5	8.4	15.3	0.6	8.8
Bachelor degree's type / PE or sport sciences	89.3	90.6	94.9	84.6	97.5	92.2	92.4	88.9	97.6