

❖ PHYSICAL EDUCATION

READINESS DEGREE OF PHYSICAL EDUCATION COLLEGES TO MEET THE EXPECTED NEEDS OF 21ST CENTURY IN LIGHT OF TOTAL QUALITY MANAGEMENT THROUGH ISO STANDARDS

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Abstract

The aim of this study was to identify the readiness degree of the colleges of Physical Education in Jordan through ISO standards within the domain of Total Quality Management. Two instruments were developed, one measured the application of these standards embedded in three sub domains (quality of teaching, scientific research and community service), the other one measured the readiness degree of the same standards from faculty members and Graduate students point of view. A restricted sample consisted of (181) from faculty member and graduate degree (Yarmouk University., Jordan University., Hashemite University, & Mutta University.). The results indicated that the ratings of all standards in the three sub domains were average, beside that there were no significant differences between the ratings at (α ,.05) between the two groups which revealed the readiness of these Universities in tackling the 21st challenges which it faced.

Key words: colleges, management, physical education.

Introduction

The University is a center for cultural and scientific community which seeks to develop economically, scientifically and culturally through its core functions carried out by, education, scientific research and community service. These domains are constantly changing with the evolution of society, so the university must cope with global development, which is witnessing many changes and transformations in various fields, to cope with its role in this world and strive to understand the difficulties they face, and to find solutions to these difficulties and challenges that accompany the quantitative expansion of higher education. In order for the university to play the role assigned to its envision to be a future for the reform of educational policies, linked to a policy of economic reform and social and cultural development and helps the university and possess a wealth of experience and highly specialized skills, which enable it to transform the traditional role of university to become a more influential role in all areas that can overcome the difficulties and challenges they face. (M. Deiry, M. Amjad, 2010).

The researchers believe that the faculties of P.E In any country are the most important part of the educational process, and supports the success of the educational process at the university, and their ability to achieve its goals primarily on the efficiency of faculty members and the provision of material resources and administrative measures, which are available in a set of administrative and qualified leaders who are able to develop policies and objectives. (M. Deiry, 2003).

So the higher education in its various dimensions and technical knowledge and research, is

important for both developed and developing countries alike. That is why the university is the appropriate place to create and develop technical expertise and assistance in adapting the result of the number of externalized qualified workforce and knowledge required to deal with that technology, as a result of cooperation between the university and the field of work getting a positive impact in this area, and that the process of integration between the preparation of graduates in University, and follow-up performance in the field of work, and combining the teaching of theoretical and applied practice, and increased interaction of academics and experts in various institutions of society, thus enabling the university to absorb the achievements of technical progress in the world. Despite the efforts made by scientific experts and researchers, but they are unanimous on the existence of global problems of human suffering must be addressed by education system proposed these problems as follows:

1. Lack of natural sources of energy and high cost.
2. Environmental pollution and expansion aspects of sabotage.
3. Weak economic growth or decline.
4. Loss of self-identity for large groups of members of society, especially young people.
5. Increasing health problems.
6. Steady increase in the population of third world countries, and growing shortages of food.

If the universities and other institutions of higher education wants to solve these problems, the universities must prepare the necessary frameworks for the country of specialists in various fields, and universities should strive to progress in the areas of science and technology, culture and arts, and ensure the

preparation of specialists in various branches of science, service and production, and the promotion.

As a result of the above opinions, this study aims at identifying the readiness degree at the collage of physical education in Jordan through ISO standards within the (TQM), also this study will focus the functions of the physical education collages in Jordan for planning, organizing, directing, and encouraging employees in the college faculty members, technicians and managers for the development and modernization of the educational process in these colleges, so there is an important and essential role of management in these colleges to develop and achieve their desired objectives.

Consequently this study will focus in the following functions of universities, namely:

- The efficiency of teaching.
- Scientific research.
- Community service.

Problem of the study: In the past years a lot of talk about a higher education facing a crisis and frequency that raised many questions about the problems facing higher education, especially in the field of physical education and, despite differences of seeing these problems and ways in which instructions

Table (1) The distribution of the subjects of the study sample.

Variable		Number	Percentage
University	Yarmouk University	55	30%
	Jordan	48	27%
	Jordan	42	23%
	Muta	36	20%
Academic level	Academic faculty members	101	56%
	Graduate	80	44%

Validity of instruments:

Data were collected by means of questionnaire administered to the sample, the questionnaire contained two parts:

1. The first one measured the application of this standard embedded in three sub domains (quality of teaching , scientific research and community service)
2. The second part measured the readiness degree of the same standards from faculty members and graduate students point of view.

The final score is calculated for each area according to the total responses for each of the items, according to the five-phased which given as follows , respectively (5, 4, 3, 2, 1).

Very high=5
High=4

to suit with the rapid development, but still there are many questions concerning the extent of these Colleges to solve problems and pursue the completion of jobs created for them. This study aimed to answer this question: to What degree do colleges of physical education meet the expected needs of 21st century in light of (TQM) through ISO standard.

Questions of the study: This study seeks to answer the following questions:

1. The degree to which colleges of physical education to meet the expect needs of 21st century in light of (TQM) through ISO standard in the viewpoint of the study sample?
2. To estimate the willingness of colleges of physical education to meet the challenges of the twenty-first century?

Study Limitations: This study is limited to colleges of physical education at the universities of (Yarmouk, Hashemite, Mutah and Jordan)

Me Method and procedures sample of the study

The sample of the study consisted of (181), faculty member and (101) graduate student were(80) represent, "Yarmouk, Jordan, Hashemite and Muta university," with a percentage of (52%) .

Moderate=3

Low=2

Very low=1

The following standard was adopted for the analysis of results:

1. 1 - 1.49 is very low.
2. From 1:50 to 2:49 low.
3. From 2:50 to 3:49 moderate.
4. From 3:50 to 4:49 high.
5. From 4.50-5 is very high.

Validity of Instruments:

To achieve the validity of instrument the researcher used a method of (Test-retest) and used a person reliability Coefficient see Table (2) was found to be equal to, (0.89) and this is a good indicator of the validity and the second tool were(0.91).

Table (2): The correlation coefficient of Pearson reliability of a tool study areas.

	Statement	Test-Retest	Correlation	Items
First Tool	The efficiency of teaching in the college.	0.92	0.90	12
	Scientific research.	0.91	0.88	11
	Community service.	0.88	0.92	11
	Total.	0.89	0.95	33
Second Tool	The degree of readiness of universities to meet the challenges of the twenty-first century.	0.91	0.94	22

Results

First: The results of the first question: "What degree do physical education colleges meet the expect needs the viewpoint of the study sample" in the following functions:

- The quality of the teaching function.
- Function of scientific research.
- Post community service.

To answer this question the averages and standard deviations were used .

Table (3): Mean and S.D, rank of students and respond.

Rank	No.	Statements	Mean	S D
1	2	Teaching at the college provides students with sufficient information and science theory.	3.98	.80
2	21	The college offers researchers enough freedom to select topics of their research which they wish to proceed.	.3.88	.94
3	24	College offers continuing education programs in abundance for the service of Jordanian society.	3.59	1.00
4	7	Teaching in the college Cope with world scientific developments.	3.49	.83
5	10	The college enrich teaching scientific theories, according to the specialties of the students.	3.42	.90
6	33	The college opened graduate programs to cope with new developments and cultural knowledge.	3.42	.93
7	6	Teaching in the college will grown the skills of students in scientific research.	3.38	.89
8	25	The college offers advisory services to promote the performance of actors local and national institutions in society.	3.38	.89
9	3	Takes teaching in the college developed the practic side.	3.26	.83
10	5	Teaching at the college helps the individual to deal with future conditions with a clear vision.	3.26	.83
11	4	Teaching at the college take into account the requirements technology in modern society with high efficiency.	3.24	.94
12	9	Teaching at the college will help the ability of individuals in dealing with modern technology.	3.24	.83
13	29	The College offers necessary training programs to develop the professional skills and life of individuals according to their needs.	3.19	.96
14	11	College should create center for the development of the teaching process by which the process of continuous training for faculty members.	3.17	.98
15	26	College offers projects that serve the local community.	3.10	.96
16	30	College Involve faculty members to contribute to advisory committees to serve the local community.	3.10	.96
17	20	The College provides a comprehensive information base to help faculty members to achieve the quality of research.	3.04	.85
18	16	The college offers hardware and materials necessary for scientific research to facilitate the task of researchers.	3.02	1.04
19	1	Teaching at the College Interested in of issues within the local scientific methodology studied.	3.01	.92
20	31	College plan educational programs to develop requirements of the community.	3.00	.91
21	32	Colleges contribute significantly to the overall science and technology to make important social culture (for all groups of society).	2.99	.90
22	8	Teaching in college will stimulate students to create material and moral aspects	2.97	.94
23	19	The College provides magazines and periodicals resources to facilitate the dissemination of research in which the scientific will be applied.		
24	27	The aims of the college is to study the needs of the community to contribute to the provision.	2.96	.97
25	14	College researchers directed towards research on effective development plans.	2.93	.96
26	17	College guide researchers to solve the problems of society in a scientific way.	2.88	1.04
27	13	Colleges provide researcher publications, so they have the ability to	2.84	.96

		prepare research distinctive.		
28	28	The college offers an information base for all sectors of society; to help the sectors to overcome the difficulties they face.	2.77	.87
29	23	The College provides data bases of researchers at promotional prices to help them accomplish distinct research.	2.75	1.00
30	15	Money allocations is enough to do the research	2.72	.99
31	12	The colleges take into account the total number of students adjust teaching to ensure the success of the educational process.	2.63	1.02
32	22	College employs the results of research in national economic development plans.	2.63	.97
33	18	The college offers lucrative rewards for faculty members for research excellence.	2.51	.92

It is obvious from Table(3) that the averages for all items were ranged between (2.51 -3.98) and the standard deviation ranged between (0.80 - 1.04); The highest items are (2, 21, 24, 7) which states that "teaching at the colleges provides sufficient information theory and science, "The college offers researchers enough freedom to select topics they wish

to make their research," the college offers continuing education programs in abundance for the service of the Jordanian society "got averages between (3.59 - 3.98) were high, and the other items got thirty averages, on the other hand items (0.18) with mean (2.51) received the lowest response .

Table (4) Mean and S.D of subject response toward the study area.

Rank	No.	Items	Mean	S D
1	1	the efficiency of teaching	3.26	.62
2	3	community service	3.15	.71
3	2	Research	2.92	.66
	Total		3.11	.59

The results of the analysis, as shown in the table (4) the mean and standard deviations of the study areas, the table showed the mean of the areas where the combined total (3.11) were moderate. Also the table showed that the first area in the first tool the "degree of the colleges of physical education " the

quality of the teaching as it showed the mean (3.26) were high among the fields and the second area community service got (3.15), very high and the field of scientific research with a mean (2.92) were moderate

Table (5) Mean and standard deviations subject response toward "the efficiency of teaching ".

Rank	Nom	Statement	Mean	S D
1	2	Teaching in the college will provide students with sufficient information and science theory.	3.98	.80
2	7	Teaching in the college cope with world scientific developments.	3.49	.83
3	10	Teaching at the college enrich, scientific theories, according to the specialties of the students.	3.42	.90
4	6	Teaching at the college will grown students skills in scientific research.	3.38	.89
5	3	Teaching at the college applied science effectively.	3.28	.81
6	5	Teaching at the college helps the individual to deal with future conditions with a clear vision.	3.26	.83
7	4	Teaching at college take into account the requirements of technology in modern society with high efficiency.	3.24	.94
8	9	Teaching at the college will grown the ability of individuals in dealing with modern technology.	3.24	.83
9	11	University works will create centers for the development of the teaching process by which the process of continuous training for faculty members.	3.17	.98
10	1	Teaching at the College interested of issues within the local scientific methodology studied.	3.01	.92
11	8	Teaching in college will stimulate students through the provision of the creators of the material and moral aspects to them.	2.97	.94
12	12	The college will take into account the total number of students to adjust teaching to ensure the success of the educational process.	2.63	1.02

It is obvious from Table (5) that the mean of the items of this area: "the efficiency of teaching " with mean between (2.63-3.98) with standard deviations (0.80-1.02), were moderate where as the item number (2) got the highest mean in this area (3.98) is

significantly and item number got (12) got the lowest (2.63). With regard to the second area / scientific research in the Table No.(6), the results showed the following:

Table (6) Mean and S.D, of subjects responses.

Rank	Nom	Statement	Mean	S D
1	21	The college offers researchers enough freedom to select topics of their research which they wish to proceed.	3.88	.94
2	20	The College provides a comprehensive information base to help faculty members to achieve the quality of research.	3.04	.85
3	16	The college offers hardware and materials necessary for scientific research to facilitate the task of researchers.	3.02	1.04
4	19	The College provides magazines and periodicals resources to facilitate the dissemination of research	2.96	.89
5	14	College researchers directed towards research on effective national development plans.	2.93	.96
6	17	College guide researchers to solve the problems of society in a scientific way.	2.88	1.04
7	13	College supply, researcher's scientific publications until they have the ability to prepare research distinctive.	2.84	.96
8	23	The College provides data bases for the researchers to help them accomplish specific research distinctive.	2.75	1.00
9	15	A total allocation for research is enough for the theoretical and applied research.	2.72	.99
10	22	College employs the results of research in national economic to developed plans.	2.63	.97
11	18	The college offers lucrative rewards for faculty members for excellent research .	2.51	.92

Table (7) Mean and S.D, of subjects response.

It is obvious from table (6) that the mean of this area, "scientific research" were between (2.51 - 3.88), and standard deviations (0.85 - 1.04), between moderate and high (21) got the highest, and item number (18) got the lower average, and item no. (21), titled: "The college offers researchers enough freedom

to select topics they wish to make to their research," has got the highest average is (3.88), which is significantly, high.

With regard to the third area, "community service", the results showed the following statement in Table (7):

Rank	Nom	Statement	Mean	S D
1	24	College offers continuing education programs for the service of Jordanian society.	3.59	1.00
2	33	The College open a graduate programs to cope with new developments and cultural knowledge.	3.42	.93
3	25	The college offers advisory services to promote the performance of local and national institutions in society.	3.38	.89
4	29	The College will offer necessary training programs in diverse disciplines to develop the professional life skills and individuals according to their needs.	3.19	.96
5	26	College employs projects that serve the local community.	3.14	.86
6	30	College involves faculty members to contribute to advisory committees to serve the local community.	3.10	.96
7	31	The College plan educational programs for developmental requirements to the community.	3.00	.91
8	32	College will contribute significantly to the overall science and technology to make a social culture is important for all groups of society.	2.99	.90
9	27	The college aim is to study the community needs .	2.96	.97
10	28	The college offers an information base for all sectors of society to help the sectors to overcome the difficulties they face.	2.77	.87

It is obvious from Table (7) that the mean of the item of this area, "community service" has ranged between (2.77 -3.59) and standard deviation between (0.86-1.00) where moderate; where as item number (24), which states that the education is to serve the Jordanian community" got the highest mean of (3.59), which significantly high, while item number (28), which states, the collage offers information for all

sectors of society to help the sectors to overcome the difficulties facing them, "have got the lowest mean (2.77), moderate.

II: results for the second question: "the value sample study to estimate of the willingness of colleges of physical education for the challenges of the twenty-first century?"

Table (8) Mean and S.D, of subject response.

Rank	Num	statement	Mean	S D
1	13	The College provides faculty members with computers connected to the network site to help them face the information and communications technologies.	3.67	.97
2	4	The parallel programs contribute solving physical education problems in future.	3.49	1.17
3	3	The colleges benefit from modern communication systems to overcome the challenges of the future.	3.43	.78
4	8	College is an information network linked to global networks to monitor any developments and scientific discoveries for the future.	3.37	.95
5	16	College works to provide specialized engineering workshops to train and qualify the cadres to meet the needs of the future.	3.37	.96
6	20	College is where I work out make an agreements with scientific institutions to improve the performance of cadres, and increase productivity for the future.	3.36	.96
7	21	College initiated using advanced technology to cope with modernization.	3.36	.92
8	14	College is where i work provide environment conducive to scientific research.	3.29	.80
9	19	Colleges use the modern technological developments.	3.22	.94
10	1	Colleges will develop educational policies to cope with future challenges in the era of globalization.	3.15	.80
11	2	College works are to adopt the research methodology in teaching to provide students with broad knowledge of the future.	3.13	.86
12	22	College adopts the principle of equal educational opportunities and by opening the door to the college of education in the least advantaged groups of the population.	3.12	1.09
13	18	College urges researchers to do research joint high-level continuously for the development of future solutions to the issues of cultural rights.	3.07	1.01
14	17	Faculty benefit from the experiences of universities in the world of successful problem solving and its future plans.	3.02	.92
15	12	College works in the marketing of services in the college of all workers in order to overcome the financial problems that may face the future.	2.94	.98
16	9	College aims to apply research findings to meet the specialized needs of the future in the sectors of society .	2.83	.94
17	5	College uses the scientific research to predict the difficult problems.	2.80	.88
18	15	Public universities in Jordan seeking to promote transparency in the management to avoid future problems.	2.78	.98
19	6	College's support best researchers, according to an effective system of rewards for research predictive for the future.	2.76	.91
20	7	The college offers productive projects appropriate to meet the requirements of the society for the future.	2.76	.82
21	11	Faculty exchange scientific research programs with other countries to serve the Jordanian society constantly.	2.72	1.00
22	10	College pursue graduates in the labor market to continue to change and update its plans for the future.	2.39	1.02
		Total	3.09	.66

Table(8) showed that all student with mean of(3.09)(S.D.0.66) were moderate (13) with a mean (3.67) significant high, item (10)with a mean of (2.39) with lowest average .

Discussion of the results

First: To Discuss the results on the first question:

-To what degree the colleges of physical education in the viewpoint of the study sample?

The results of the study showed the response of the sample study toward the quality of teaching, community service, and scientific research were all moderate. The sample study respond to quality of teaching highly to the statement that the collages provide students instruction with adequate information and science theory, which mean that the collage provide all the necessary information that students looking for.

The average of the first quality of the teaching (3.26) and of the second community service (3.15), while the third area "scientific research" got average (2.92) it is at least in the medians between the domains.

The Efficiency Of Teaching:

It appears when you look at the items of this area, the highest in the got the average, item No. (2) "the colleges provide students instruction with adequate information and science theory, The average (3.98) which has been achieved significantly. And eleven other items was achieved average.

These results are consistent with the study M. Jaradat and R. Struck (2000).

That teaching at the college has scored the highest averages among other objectives, which means that members of the study sample felt that this objective to achieve a high degree of satisfaction by faculty members, is due to the teaching profession that they are in college and they are the most efficient in the society in accordance with of specialization.

The response of the sample study toward statement (12) which "take into account the total number of Students adjust teaching to ensure the success of the educational process," get low response , (2.63); due to the expansion experienced by colleges in the number of admissions after following some of these universities to parallel system of education, which led to the acceptance of large numbers of students exceeding the capacity of students, faculty, and aim to resolve financial problems, facing the universities.

The Scientific Research:

When you review the item of scientific research shows that the item (21) "The college offers researchers enough freedom to select topics they wish to make to their research," a mean of (3.88) were high significant . This means that's scientific research got the least three areas; which shows that there is dissatisfaction by members of the study sample to achieve this goal; due to lack of sense to support administration of the colleges of this area.

These results agreed with the study of S. Mahmoud (1999), of M. Jaradat and R. Struck (2000) that scientific research received an average moderately.

The Community Service:

The third area has been made "community service" with a mean of (3.15), were moderate .

May be achieved for the second order due to that there are financial incentives given to teachers in college when you bring them to the scientific advice of the community.

This study has been agreed with the study of Y. Aldjaafarh (1996).

II: Discussion of the results on the second question:

The estimates of the study sample of the willingness colleges of physical education to meet the challenges of the twenty-first century?

When looking at the statement that represent a challenge to the universities in the quality of the teaching and development to cope with modern developments, including items (3, 8, 21, 19, 1, 15, 20) showed moderate were as item (13) received the highest response by the sample study in physical education; which mean that the collages contribute with extensive scientific developments in all fields. leading to the development of the teaching process and information technology in college, and contribute to raising the level of graduates of Physical Education, to be similar to the levels of students in developed countries.

With regard to the challenges facing the field of scientific research; item has reflected (14, 18, 2, 5, 6) were moderate. The lowest averages in item (10) provided showed "college graduates follow in the labor market continues to change and update its plans for the future", this indicates that there are no plans at the college from the standpoint of the study sample need to connect the outputs of community education at the college, which means that admission rates in the various disciplines in the universities are in accordance with the principles associated with the college itself, and not to study the needs of society, and therefore must be modified so that this aspect of the overall conduct of national plans in cooperation with the concerned parties to supplement Courses for community needs and the reduction of other disciplines, and this study agree with study.

Conclusions

In the light of the questions of the study researcher concluded the following:

1- The faculties of education administration should play more attention to (TQM) to the application of quality sports.

2- The estimates of the study sample of the willingness of colleges of physical education to meet the challenges of the twenty-first century should meet the needs to (TQM).

3- There is that (the colleges of Physical Education in Jordan for their role and their willingness to face the challenges of the twenty-first century due to the variable academic rank (Professor, Associate Professor, Assistant Professor).

Recommendations:

Based on the findings of this study, the researcher recommends the following:

1- Directing the scientific research for teachers in practice related to the development needs of the community, socially and economically.

2- Organizing courses for the development of teaching methods to improve the performance of faculty and raising the efficiency of teaching.

3- Make college production centers applying the

concept of total production developed planes, research center to serve the community.

4- Total employment results of research on comprehensive development plans and scientific research.

5- To develop distinguish scientific research to solve society's problems.

6- Follow-up with graduates and to harmonize the work output of higher education the future development plans.

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THE MODERNIZATION OF THE SPORTIVE TEACHING PROCESS AND SYSTEM

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Abstract

Essay content. This study deals with the main coordinates of the modernization of the sportive teaching process and system. This is a permanent scientific research theme, regarding the continuous changes produced within the sportive performances process. In other words, it is necessary for us to better understand the components, the nuances and the development directions of the modernization concept in our activity domain and to properly adjust them to the practical reality.

Knowledge problem. The national policy of performance in sports would be expressed through a series of principles, rules, laws and general options regarding the development and the modernization of the selection, training and participation to competition system of the athletes and sportive teams. The main directions of modernization are highlighted: the modernization of the sportive teaching system, the modernization of the institutional organization and of the selection and proper teaching process, the modernization of the technology and didactic strategy, the modernization of the organization forms of the teaching process, the modernization of the cooperation relations between coach and athlete.

Key words: modernization, teaching system, teaching process

Introduction

The “modernization’ concept involves many inter- and pluri-disciplinary meanings. Thus, the verb “to modernize” means (The Encyclopedic Dictionary, 2003)

-to take up the realities and nowadays requirements, to renovate; to correspond with the contemporary level of civilization;

-to modify a technological process in order to square with the present technical progress”

In the educational sciences (in physical education and sports, too) the concept of modernization implies “the adjusting action of human personality with all its components, to the present requirements of society, to keep abreast of the present progress, to properly respond to the social demand” (Dictionary of Pedagogy, 1989). Also, it is stated that the teaching modernization is reflected in the following improvement directions:

-the increasing contribution to the improvement of the cultural level of the population

-the formation of teachers in accordance with the requirements of the social-economical development of the country

-the preparation of the youth for life, work and social-useful activities

-the insurance of an open and democratic character -the introduction of the permanent teaching principle

-the systematic improvement of objectives, content, methods, didactic technology and assessment instruments

In sport performance the concept of modernization surprises and it is involved also in the main sub-systems of the organization and management activities system, in the selection, training and participation to competitions process. Thus, the national policy of The National Agency for Sports in