

ABSTRACT

In the light of scientific perspective to teaching career, the roles played by the teacher have changed. For instance, he is no longer a carrier of information but he has become the sole responsible of managing (administrating) the teaching process within school on both scientific and technical bases; in order to achieve the objective of teaching process which is the integrated growth of students and contributing to achieve society's goals. On both society and school levels, the objectives of teaching process could not be achieved unless appropriate curriculum, required financial needs, tools, teaching methods and other components of teaching process are available; provided that the teacher is capable of organizing the utilization of these components in active teaching situations.

The teacher not only instruct students dosing the physical education class, but he gains a lot of experience through his dealings with the students. This experience, in turn, enables him to deal with other students. At this point, there should be interaction between the teacher on one hand and the students on the other hand during the various parts of the lesson. Such interaction will lead to the development of the learning process.

The teacher is no more regarded as the knowledgeable person, but nowadays teacher should act like a social engineer who design an interesting environment in which each student could learn, grow and understand himself and the others.

The Research problem :

Questioning the qualifications of good teacher and the standards which would be used to discriminate between him and the unqualified ones, led to the appearance of most educational studies, in an attempt to identify interaction patterns between the teacher and the student. This is because the traditional methods which are invented to assess the teacher's efficiency, still lack most of the scientific standards.

Moreover, the current programs, for preparing physical education teachers, are supposed to be sufficient for preparing a teacher who is capable of managing interaction during the lesson on appropriate bases.

It been felt that there is a need to a study through which interaction patterns of the teacher could be identified, in order to assess the range of successfulness of these programs in making the teachers and practical lessons students acquire the management of interaction on correct grounds.

In addition to this, the educational method of physical education teacher in school, lacks the effectiveness required to affect the students as follows :

- The weakness of skills that are essential for effective teaching such as : the ability of instructing student to, sensitivity to the problems of students, methods of assessing their performance and exploring their gifts.
- The stillness of most of physical education teachers their dependence on traditional experience, and most of them lack novelty or creativity.
- The lack of educational method at the time that the teacher should be a scientific source, a carrier of culture and an instructor to the students.

Thus, there has been a need to a method by which occurring interaction patterns between the teacher and the student could be observed of the method as a mean of instruction and development to refine the efficacy of the teaching process.

Therefore, the idea of the research has crossed the mind of the researcher who took physical education teaching as the major issue in the research.

The Importance of The Research :

The importance of the research lies in the fact that it is the first study of its kind in the field of physical education. Since most of interaction analysis studies were more theoretical studies of some subjects, physical education has not been the concern of these studies in order to determine the amount of interaction that is occurring to physical education teacher.

This research will attempt to recognize the real picture of physical education teachers performance. Thus, it could be used to develop the teacher's preparing programmes. The research also presents a list to observe the required interaction behavior of physical education teachers.

The research also presents an observational card including the dimensions of interaction analysis of physical education teachers, in order to be used in assessing their teaching method, and developing the curriculum and methods of teaching in physical education.

The Objectives of The Research :

Modifying the interaction analysis system of "Flanders" in order to applied in physical education and the certainty of the applicability of the modified interaction analysis system experimentally.

The Research Questions :

- 1- Is there any compatibility between verbal interaction patterns and interaction patterns in physical education?
- 2- What are the common interaction patterns in physical education teaching?
- 3- Does interaction patterns differ according to the variability of teachers' experience?
- 4- Does interaction patterns in physical education differ according to the school year?
- 5- Are interaction patterns in physical education characterized with reliability (consistency)?

The Research Methodology :

The researcher has utilized the qualitative method using the survey method and systematic observation of the teaching behavior for both the teacher the student.

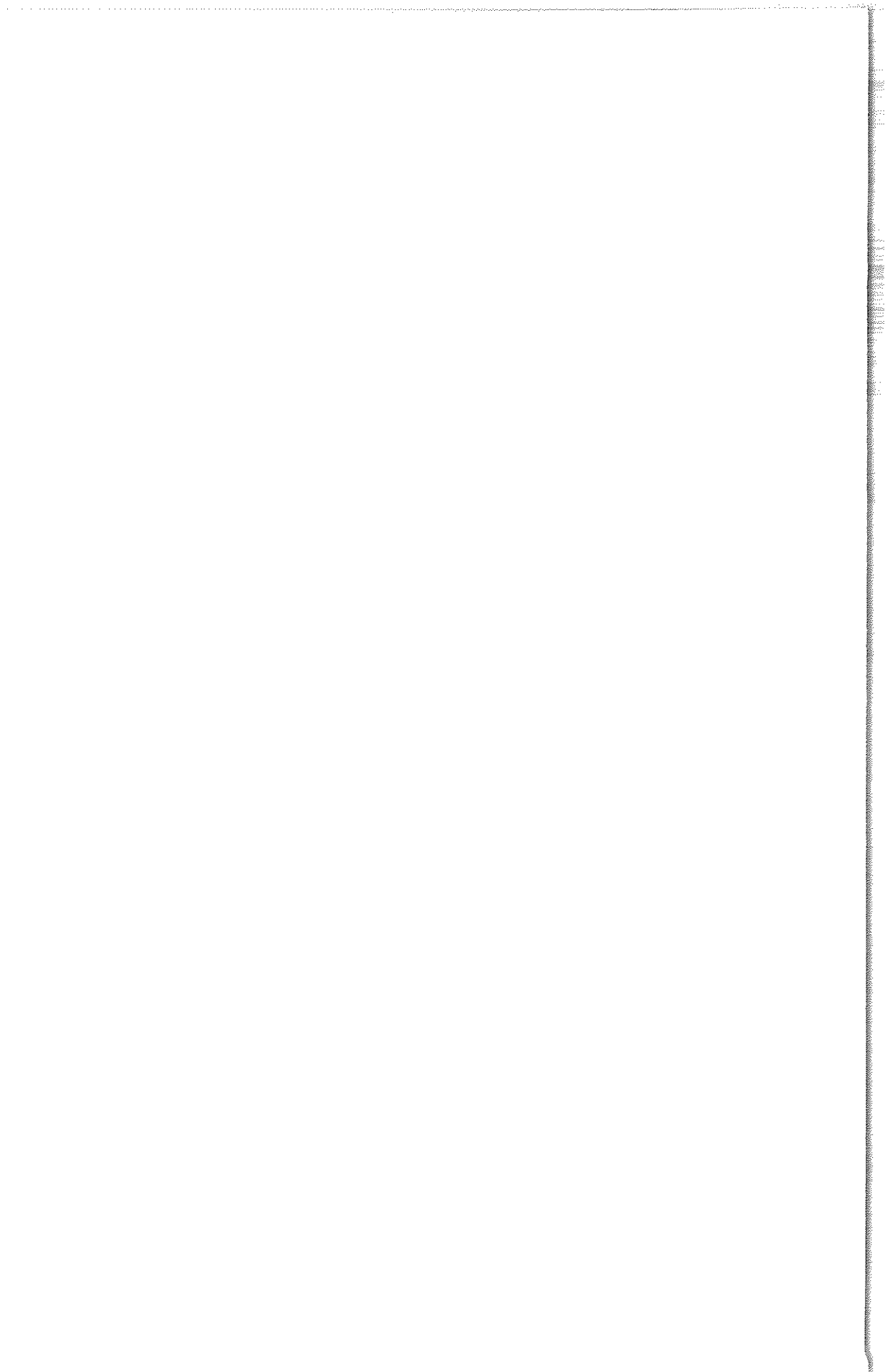
Tools of The Research :

- 1- The modified and presupposed system with reference to "Flanders" system.
- 2- Recording cards.
- 3- Matrices are used to register the data (results).
- 4- Stop watch to estimate the recording time.
- 5- A vides camera.

The results of the research :

- 1- Interaction patterns in physical education were consistent in both novice and experienced teachers what happens is the variability in the ratios of patterns occurring.

- 2- The experienced teacher is better than the novice teacher in that he prompts and praises students, he gives the student the opportunity to volunteer to help his colleagues, increase in the student's response to the teacher, he rarely becomes distracted, he gives commands, and the rarely demonstrates or expresses the skills.
- 3- The novice teacher speaks continually with giving a lot commands and instruction, he frequently criticizes the students, he does not encourage students to volunteer to help each other, the student's response is minor, his attention becomes distracted and he resorts a lot to silence.
- 4- The novice teacher is better than the experienced teacher in that the teacher, him self, demonstrates a model, and he moves continually to instruct students.
- 5- There are significant differences between novice and experienced teachers in achieving (accomplishing) the teaching process in favor of the experienced teachers.
- 6- The experienced teacher does not demonstrate a model of the exercise or the skill except in some rare cases and he rarely moves to instruct students.
- 7- The effectiveness of the utilized observational tool has been proven in measuring the interaction occurring between the teacher and the student. It follows the scientific method.



*Helwan University
Faculty of Physical Education for Men, Cairo
Curriculum and Methods of Teaching Department*

DESIGNING INTERACTION ANALYSIS SYSTEM FOR TEACHING PHYSICAL EDUCATION WITH REFERENCE TO FLANDERS SYSTEM

Research Presented By

MOSTAFA MOHAMED BADR EL-DIN SAYED MANSOUR

*Assistant Lecturer in Curriculum and
Methods of Teaching Department*

*To Attain The PHD Degree in Physical Education
Curriculum and Methods of Teaching Department
Graduation Year : 1991
Year of Attainment 2000*

Supervisors

Professor Doctor

AMIN ANWAR EL-KHOLI

*Professor in Curriculum and
Methods of Teaching Department
Vice Dean for students affair
Faculty of P.E. for men, Cairo
Helwan University*

Professor Doctor

GAMAL EL-DIN ABD EL-AATI

*Professor of Curriculum and
Methods in Teaching
Curriculum and Methods of
Teaching Department in
Faculty of P.E. for men, Cairo
Helwan University*

Cairo 2000