Psychology of Education as an In-Service Teacher-Training Module: A Professional Catalyst or an Anticlimax? The Zimbabwean Experience

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Abstract:-The teaching of the Psychology of Education module in Zimbabwe has attracted mixed reactions from in-service students. Negative attitude and lack of interest was exhibited especially at Great Zimbabwe University. While scholars and academics have emphasised that the module redefine students as educators, what needs emphasized is how the module is viewed by learners. This paper therefore explored the views exhibited by undergraduate and postgraduate in-service student teachers in Zimbabwe. To address this, the paper was guided by Freud's psychoanalytic theory, Vygotsky's sociocultural theory, Gagne's nine events of instruction and Rogerian principles of instruction and motivation. It used mixed method approach in which the chi-square test and the qualitative phenomenological research design with electronic questionnaires and observations as the data gathering instruments. The stratified random sampling method was used to select 50 participants. The data gathered through observations and questionnaires was subjected to thematic data analysis. The findings point to mixed views and sentiments regarding studying the module. Undergraduate student teachers harboured negative attitudes towards Psychology of Education as evidenced by their apparently low motivation, low participation, boredom and lecture avoidance. On the contrary, Graduate Diploma in Education and Master of Education students were enthusiastic to study the module and expressed favourable perceptions. The researchers recommended that the lecturers in the domain of Psychology of Education should continue highlighting the utility of Psychology of Education to students at both undergraduate and postgraduate levels.

Key Words: Attitudes, Psychology of Education, undergraduate students, in-service student teachers

I. INTRODUCTION

Generally, teachers are regarded as the core of educational development. Therefore, they need to upgrade themselves professionally so as to be in tandem with the ever changing information and technological landscape in schools. This yearning for knowledge creates the need for in-service education. Osamwonyi (2016) defines in-service education as the relevant courses and initiatives in which a serving teacher may participate to upgrade his professional knowledge, skills, and competence in the teaching profession. In-service education facilitates the acquisition of new understanding and instructional skills. Its main focus is on producing learning environments which enable teachers to develop their effectiveness in the classroom. The in-service programme is meant for practising teachers who have acquired a certificate or diploma in education from a teachers’ college or those with a non-teaching first degree (for Grad DE) and a first degree (for Med). These students have studied Psychology of Education during their initial teacher training programme to attain a certificate or diploma whilst those enrolled for the Graduate Diploma in Education (Grad DE) will study the module (psychology of education) for the first time. When they enrol for the undergraduate degree programme they are supposed to study Psychology of Education again towards fulfilment of the requirements of the degree course. They also have to do their main subjects or specialisation subjects which could be English, ChiShona, Mathematics, Computer Studies and many others, as well as various Foundations Modules which include Philosophy of Education, Sociology of Education and Psychology of Education. All these subjects are timetabled and may carry equal weight as well as require equal contact hours.

Psychology of Education is the key to effective teaching and learning activities that go on in schools. Eggen (2010) posits that Psychology of Education involves the study of memory, conceptual process and individual differences in conceptualising new strategies for learning process in human beings. Woolfolk (2010) goes on to state that Psychology of Education is a vital ingredient in learning, because it values individual and cultural differences as a way to deal with biased stereotypes which adversely affect the development and teaching process. It is therefore, imperative for all teachers to study Psychology of Education as it assists them to navigate through the murky waters of their teaching tasks with a variety of learners with different educational needs and demands. Nezhad and Vahedi (2011) are in agreement as they put forward that psychology gives education the theory of individual differences that every child has different mental ability and learns with different pace. The primary in-service undergraduate as well as the Grad DE students may be
Psychology of Education entails an understanding of learning, human development, motivation and individual differences. Therefore, Psychology of Education incorporates teaching methods, the instructional process and different learning outcomes. Farooq (2012) notes that Psychology of Education studies various factors which have impacts upon students, which may include home environment, social groupings, peer groups, his/ her emotional sentiments and mental hygiene and many other factors. Through the use of various psychological theories, the primary school teacher is in a position to assist learners in the classroom set- up. Bronfenbrenner’s (1977-2005) Ecological Systems theory, among many other theories, tries to explain how everything in a child and the child’s environment affects how a child grows and develops.

Psychology of Education also helps the teacher in that it guides the learning process through provision of ways in which information and knowledge can be transferred and kinds of methodologies to be employed in different cases. The knowledge of Bruner’s theory of instruction will assist the teacher to employ the spiral curriculum which according to Woolfolk (2013) states that any subject can be taught at any level provided the content is reduced to the level of the learners. Mcleod (2018) goes on to state Bruner’s principles of sequencing which should move from enactive, iconic to symbolic. In relation to the above, the teacher is in a position to organise the learning situation that is the classroom environment and the maintenance of discipline. The use of various teaching learning aids to facilitate the teaching/ learning process is also made clear to the teacher. In all this, the aim of Psychology of Education is to help the teacher to logically organise material which is to be taught to the learner.

The classroom teacher is also equipped with evaluation techniques through Psychology of Education that is, he/ she will know the kinds of evaluation techniques to use in testing learners to find out the extent to which information and concepts have been transferred (Farooq, 2012). With the knowledge of tests and measurement, the teacher is in a position to develop sound methods of objectively measuring and evaluating the learners’ achievements.

Through his Cognitive Social Learning theory, Albert Bandura (1977) posits that children learn in their environment as they interact and observe others. Most human behaviour is learned observationally through modelling: from observing others, one forms an idea of how new behaviours are performed and on later occasions this coded information serves as a guide for action. Teachers armed with the knowledge of Psychology of Education will act as role models who demonstrate behaviour for children to observe and subsequently imitate. The teacher is set to guide learners properly through having knowledge of individual differences. The teacher will know how to conduct him/herself according to prevailing situations and become empathetic as advocated for by humanistic theorists.

The current study is not an isolated study undertaken randomly. It is actually a sequel to an allied study which was undertaken by Mavezera, Gwirayi and Kufakunesu (2019) in Zimbabwe. Mavezera, et al (2019) examined the attitudes of 45 undergraduate in-service primary student teachers towards studying an Educational Psychology module in Zimbabwe using a qualitative research methodology. The descriptive survey research design was used with questionnaires and observations as the data gathering instruments. Mavezera, et al (2019) found out that undergraduate in-service primary student teachers dominantly had negative attitudes towards Educational Psychology. The respondents pointed out that doing Educational Psychology was just a merely formality in which they were fulfilling the degree requirements and they would not put much effort in the subject.

Kufakunesu, Mavezera, Mashoko and Malasha (2019) carried a related study in which they examined the attitudes of undergraduate in-service secondary school student teachers towards Psychology of Education modules against the backdrop that the students once studied Psychology of Education at length during their initial teacher training. A mixed method approach involving the descriptive survey research design and the chi square test was employed with questionnaires, interviews and observations as research tools. A sample of 66 respondents comprising six Psychology of Education lecturers and 60 secondary school undergraduate in-service student teachers took part in the study. Kufakunesu, et al (2019) established that lecturers believed that a significant proportion of secondary school undergraduate in-service student teachers seemed to treat Psychology of Education modules as comparatively inferior to their main subject modules. The student teachers themselves seemed to occur with the sentiments of the lecturers although some of them professed enjoying Psychology of Education modules. It was against this background that the current study involving both undergraduate and postgraduate in-service student teachers was undertaken.

The modern world in which the teacher operates is in often riddled with various challenges from bullying, drug abuse and other various forms of abuse which include physical, emotional and sexual harassment. Therefore, the knowledge of Psychology of Education can help him/ her to navigate through these challenges and become an effective teacher. It was against this setting that the researchers embarked on this study.

II. THEORETICAL FRAMEWORK

The study was premised on three psychological theories namely Carl Rogers’ person-centred theory and Sigmund...
Freud’s psychoanalytic theory as well as Gagne’s nine events of instruction. Sigmund Freud’s (1856 –1939) psychoanalytic theory of personality argues that human behaviour is the result of the interactions among three component parts of the mind - the id, ego, and superego. Conflicts among these three structures, and our efforts to find balance among what each of them “desires,” determines how we behave and approach the world. According to Freud the term ‘drive’ was used to explain the unconscious triggers causing the variety of human behaviour (Gillespie, 2014; Sager, 2017). These different drives working together with the different parts of the mind direct much of human behaviour. Shuman (2016) and Cooper (2010) proceed to say that if drive appetite is not satisfied, psychopathological symptoms in manifestations linkable to childhood background may arise as a result of the ego’s defence against the demands of the id.

Carl Rogers came up with the person-centred theory which explores the tendency by humans to self-actualise. According to Vinney (2019) Rogers believed that humans are primarily driven by the motivation to self-actualise or achieve their full potential. Carl Rogers’ theory came up with principles such as empathy, genuineness, unconditional positive regard and freedom of expression. Kufakunesu, Ganga, Chinyoka, Hlupo, and Denhere(2013) posit that unconditional positive regard implies the recognition, love, warmth and acceptance which are given to someone regardless of his strengths, weaknesses, sex, age or even intellectual ability. Feldman (2009) goes on to say that only when an individual is accorded unconditional positive regard that he or she can evolve and develop cognitively and emotionally coupled with developing a stable self-concept. Empathy simply means placing oneself into someone’s shoes or seeing things from the same viewpoint (Thompson & Henderson, 2007).

The utility of Psychology of Education in enhancing teaching and learning can be confirmed by considering psychological theories on instruction. One such theory is Robert Mills Gagne’s nine events of learning (Tuckman & Monetti, 2011).According to Kufakunesu (2015) and Mwanwenda (2004:200) Gagne’s nine events of instruction entail gaining attention, informing the learners of the instructional objectives, stimulating recall prior to learning, presenting the content as the stimulus, providing learning guidance, elicitng performance, providing feedback, assessing performance and finally enhancing retention and transfer. It is arguable true that Gagne’s nine events of learning can be implemented in teaching virtually any subject at practically all educational levels (Tuckman & Monetti, 2011). This implies to a large extent, classroom practitioners at all educational levels stand to benefit professionally if they implement psychological theories.

III. GUIDING RESEARCH QUESTIONS

The study revolved around the following guiding research questions:

- What are the attitudes of in-service undergraduate and postgraduate student teachers towards Psychology of Education in Zimbabwe?
- To what extent do in-service undergraduate and postgraduate student teachers value the Psychology of Education module?
- What are the reasons given by the student teachers to justify their attitudes?

IV. RESEARCH METHODOLOGY

The Mixed method approach in which the phenomenological research design was paired with the chi-square test to espouse the attitudes of student teachers towards Psychology of Education. According to Ader, Van Marwik, Deltsaan, and Beekman (2008) descriptive survey is collecting data in order to test hypothesis or to answer questions concerning the current status of the subject of study.

The researchers employed the phenomenological research design together with a chi-square test. According to Kufakunesu and Dekeza (2017:54), “the phenomenologists are concerned with understanding social and psychological phenomena from the perspective of people involved”. This is backed by Kufakunesu, Ganga and Chinyoka (2012:124-125) who opine that in phenomenological research, the lived experiences of the individuals who are participating or those who at one point took part in the situation or phenomenon being investigated are examined. The phenomenological research design focuses on studying people’s experiences in an attempt to gather the finer details of their social circumstances(Chilisa & Preece, 2005:142; Kufakunesu & Chinyoka, 2017; Groenewald, 2004:44) The phenomenological research design considered to be appropriate in the current study because data was collected from undergraduate and postgraduate in-service student teachers who were actually in the faced with the requirement to take Psychology of Education as one of their modules.

The researchers employed the observation method as well as administered electronic questionnaires to students to collect data. An observation is a systematic way of observing and recording observable phenomena or behaviour in a natural setting (Silverman, 2002).In the same vein, Chiromo (2009) views observation technique as a means to ascertain what people think and do by watching them as they express themselves in various situations and activities. The researchers observed the teaching and learning activities. The teaching and learning methods, materials used and the student’s attitudes during lectures were also observed at the three cohort centres. Swartz, De la Rey, Duncan, Townsend and O’ Neill (2011) state that a questionnaire is a document which contains structured items that are methodically and meticulously prepared by the researchers to solicits responses from the research informants during data collection. Open-ended questionnaires were administered since the in-service students could read and write responses on their own. The researchers used stratified random sampling targeting in-
service undergraduate and postgraduate students from each of the cohort centres. A sample of 50 university students comprising 18 undergraduate students, 15 Graduate Diplomate in Education and 17 Master of Education students took part in the study. The researchers targeted students from each centre, both males and females to have a cross section of all centres. Stratified random sampling is when the population is split into distinguishable layers or statuses that are quite different from each other and which together cover the population (Driscoll, 2011). The stratification was done according to gender before the equal number of respondents was selected from each cohort centre.

V. RESEARCH FINDINGS

The following are the major research findings which emerged after thematic data analysis:

- Undergraduate students were not serious during lectures. Their participation was low and they seemed bored. Students exhibited low motivation, a decreased level of participation, class and lecture avoidance. A very significant proportion of the sampled undergraduate in-service students indicated that to a large extent they do not like Psychology of Education as a subject. Thirteen out of the 18 undergraduate respondents, responded that they disliked Psychology of Education. The bulk of the respondents had a negative attitude towards the subject.

- The undergraduate respondents revealed that they do not value the Psychology of Education lectures and would rather concentrate on other subjects especially their areas of specialisation.

- The undergraduate respondents gave a lot of reasons for the negative attitude as well as the lack of value in the subject.

- Grad Diploma in Education students were enthusiastic to study Psychology of Education because they admitted that it was bound to positively redefine them as educators. Masters students also expressed favourable perceptions on Psychology because they conceded that it was bound to offer them with a strong theoretical and conceptual base during their research work.

- The chi-square test established that the attitudes of students towards studying Psychology of Education was dependent on whether the students were doing undergraduate or postgraduate studies.

Table 1: Contingency table showing Degree levels and Attitudes towards Studying Psychology of Education; n=50

<table>
<thead>
<tr>
<th>Degree Level</th>
<th>Attitudes towards studying Psychology of Education</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Negative</td>
<td>Positive</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>13 (8.64)</td>
<td>5 (9.36)</td>
</tr>
<tr>
<td>Grad DE</td>
<td>6 (7.2)</td>
<td>9 (7.8)</td>
</tr>
<tr>
<td>Master of Education</td>
<td>5 (8.16)</td>
<td>12 (8.84)</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>26</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

\[ \chi^2_{\text{calc}} = 6.97 > \chi^2_{0.05(2)} = 5.991. \] Therefore, the test was significant.

VI. DISCUSSION OF FINDINGS

During observations the researchers noted that the undergraduate students were not serious during the Psychology of Education lectures. Twenty percent of the respondents, that is, five out of 25 of the undergraduate respondents indicated that they liked Psychology of Education, 76% were not interested. Their participation was low and they seemed bored. The students were not motivation, exhibited decreased level of participation, class and lecture avoidance. This could have been a result of negative attitudes towards the subject. Mensah, Okyere, and Kuranchie (2013) posit that attitudes are seen as more or less positive and encompass emotions, beliefs, values and behaviour and hence, affect individual way of thinking, acting and behaving which has a lot of implications to teaching and learning. One participant even remarked that: why should I concentrate on Psychology of Education at the expense of my main subject that I will teach when I go back to my school after my period of study? Under these circumstances learning becomes very difficult when students do not like the subject because they will find the subject boring and not enjoyable. They would consequently fail to concentrate and will not look forward to having the lecture.

The above remark shows that the student had a negative belief and perception towards the subject and regarded the main study area as important and worth paying much attention to. Learning cannot be a success in such circumstances. According to Rogers learning is facilitated when the student participates completely in the learning process and has control over its nature and direction. The undergraduate students’ perceptions and beliefs were found to influence their attitudes towards Psychology of Education. They perceived it negatively and felt doing it was a waste since they would not teach it as a subject when they went back to their work stations after their period of study. They felt that doing psychology was just fulfilling the degree requirements and they ended up not putting much effort in the subject.

The students also viewed the subject as less relevant to their immediate as well as future needs. In other words less value was given to the subject. Patterson (1977) states that significant learning takes place when the subject matter is perceived by the student as having relevance for her/ his own purposes. A person learns significantly only those things which are perceived as involving the maintenance and enhancement of the self. The Med and Grad DE students had a different appreciation of the subject as the perceived it to be important as shown by their responses. The undergraduate students perceived that their areas of specialisation were worthwhile studying rather than doing Psychology of Education. This kind of attitude set a process of selective attention were what the student teachers learnt was determined in part by their readiness to receive new
information. If the undergraduate student teachers thought that Psychology of Education was important, useful and contributed towards their success in classroom practise (like the Med and Grad DE students) they would not avoid it, but instead would work hard and put a lot of effort leading to enhanced performance in the subject.

The respondents also indicated in the questionnaire that the time allocated for the Psychology of Education module was rather too long. This resulted in the students requesting the lecturers to cut short their lectures. This was also substantiated by observations made whereby the three hour lectures ended up being done in two or less hours most of the times. According to Zan et al (2006) in Langat (2015) it is important to note that students are not just cognitive individuals but also social persons with beliefs, emotions that influence their learning and achievement. The belief that Psychology of Education was less important in the students’ scheme of things made it difficult for them to appreciate its significance.

Thirty percent of the undergraduate respondents indicated that due to the large class sizes for this module some students at the back ended up doing assignments for other modules during the psychology lecture time. This is supported by Zimmerman (2000) in Langat (2015) who posits that as a result students ignore the subject and would prefer to engage in other activities that they anticipate will result in reward and that they feel doable. This also points to the fact that the students did not place Psychology of Education at the same value with other subjects. This is also in sync with Carl Rogers’ principle of significant learning which states that significant learning takes place when the subject matter is relevant to the personal interests of the student. The students’ reading for other subjects during Psychology of Education lectures is an indication that one has preferences for other subject areas or other activities which is an indication of lack of interest and commitment in psychology. This contributes to underachievement in the subject as a result of lack of commitment to the same where the students do not put enough effort and time.

Gagne et al (1992) state that students should be helped to make sense of new information by relating it to something they already know or something they have already experienced. Despite the fact that the undergraduate primary students had done psychology at diploma level they lacked the grasp of psychological concepts/ theories and could not apply them to practical classroom examples. Some of the students would say that,

“It is a waste of time to know some of these psychological theories since we are also grappling with concepts and theories in our main studies/ areas of specialisation”.

The negative attitudes shown by the students made it difficult to retrieve information they had learnt before. Several research studies support the fact that students’ success in a subject, depends upon the learners’ attitude towards the subject as this determines their ability, willingness to learn, choice of action and response to challenges (Langat, 2015). The students failed to connect between concepts as they thought that the only way to master Psychology of Education was through cramming important facts and ideas. In his findings, Schenkel (2009) notes that student beliefs about their competences and their expectation for success in school have been directly linked to their levels of engagement as well as their emotional states that promote or interfere with their ability to be academically successful. Students may begin to assume that Psychology of Education is complex. They start to exert less effort resulting in poor performance in the subject. The negative feeling that the subject deals with so many theories which involve memorisation of facts and principles which may be difficult to grasp caused the students to view Psychology of Education as undoable. Their belief also affected the way they performed in the subject.

The researchers also observed that undergraduate assignments were poorly done. There was lack of serious research. In some instances one assignment was reproduced by about ten students with minor adjustments here and there. The students stated that in some instances they let one student research for a group while others work on other assignments. Students who like Psychology of Education are motivated to perform and would engage fully in activities and tasks that bring success in the subject. They would complete all assignments, do extra work, are attentive in class and will not miss a lesson and will always be prepared for the lectures even when the lecturers are away or not available (Langat, 2015). This was also evidently observed in the postgraduate students. According to Vinney (2019), Carl Rogers believes that people have a concept of their ideal self and they want to feel and act in ways that are consistent with this ideal. However, the ideal self often does not match with the person’s image of who they are, which causes a state of incongruence. The results of the current study reflect that students with higher self-concept that is, those who thought that doing well in Psychology of Education was not so difficult and who valued their importance of the subject were more likely than their peers with low self-concept to attain higher in Psychology of Education.

The majority of undergraduate respondents indicated that they did not perceive Psychology of Education as important since they had studied it before at college (when they were doing their certificate/ diploma studies) and they could not choose to do it if it were optional. This is in contrast to one of Gagne’s view on instruction which states that for learners to retrieve information from prior learning they must be helped to make sense of new information by relating it to something they already know or something they have already experienced Gagne et al (1992). The lack of interest in the subject could have been a result of traumatic events that happened during their early learning at college. According to Freud in McLeod (2013) when describing the unconscious mind, “at the deepest level of our minds resides a repository of the processes that drive our behaviour, including primitive and instinctual
The three elements of the psyche, that is, the id, ego and superego are always in conflict and when this conflict is too much for an individual to handle, his/her ego may engage in some form of defence mechanism to protect the human being. This could be done through repression where the frightening or painful events are locked away in the unconscious mind. This then manifests as a dislike of Psychology of Education driven by these early experiences. Patterson (1977) goes on to say learning that involves a change in self-organisation or perception of the self is threatening and tends to be resisted. The self includes one’s values, beliefs and basic attitudes and when these are questioned they are defended.

The qualitative dimension of the sentiments expressed by the research participants tallied with the outcomes of the chi-square test which was simultaneously undertaken. The chi-square test was undertaken with the intention of establishing if there was any association between in-service student teachers’ degree levels and their attitudes established that the attitudes of students towards studying Psychology of Education. The chi-square test revealed that in-service student teachers’ attitudes towards Psychology of Education was dependent on whether the students were doing undergraduate or postgraduate studies. Graduate Diploma in Education and Master of Education students were enthusiastic to study the module and expressed favourable perceptions while undergraduate student teachers expresses hostile attitudes towards studying Psychology of Education. The results obtained in current study regarding the attitudes of undergraduate in-service student teachers towards studying Psychology of Education tallied with the findings of studies by Kufakunesu et al (2019) and Mavezera, et al (2019) in which only undergraduate in-service students teachers were respondents.

VII. CONCLUSIONS

The study established that in-service undergraduate students have a negative attitude towards Psychology of Education. This was resultant from the fact that they consider that they had done the subject at diploma/ certificate level and it was not really worthy to study it again. The students also had a misconception where they believed that the module was less important when compared to other subjects they were doing for their course. Learning in a crowded and extremely large class also compounded the problems and resulted in the students losing interest in Psychology of Education. On the other hand, Grad DE students were eager to study Psychology of Education because they admitted that it was bound to positively redefine them as educators. Master of Education students also expressed favourable perceptions on Psychology because they conceded that it was bound to offer them with a strong theoretical and conceptual base during their research work. For teaching and learning to be effective, teachers have to be equipped with the knowledge of various psychological theories. Through learning this subject, the teachers will be informed on the teaching methods to use, the content to teach and on how to motivate the learners to be active participants in the teaching/ learning process. Quite significant is also the need for university lecturers to know how to approach the subject and prepare material that will help the in-service student teachers to accept the subject and not feel threatened by it.

VIII. RECOMMENDATIONS

On the basis of the outcomes of the current study, the researchers made the following recommendations:

- Mass lectures for the Psychology of Education module should be done in the morning when students seem to have lots of energy and are not distracted.
- The students should be made aware of the objectives of the subject. According to Gagne et al (1992) informing learners of objectives allows them to organise their thoughts on what they will learn and help place them in a proper mind set. The lecturers and the department should expressive well on the usefulness and applicability of Psychology of Education to classroom practise in general so as to create positive minds towards the subject and subsequently strive to improve in the subject.
- Psychology of Education Lecturers should also support the students and not judge them regardless of what the students do or say. The students should be guided on how to study the subject and advised on the strategies to assist them in acquiring content and of the resources available to them.
- More activities for self-initiated learning should be incorporated in the course outline as it involves the whole person of the student. The students should be motivated through persuasion, provision of learning resources, use of well-designed learning approaches and timeous feedback from lecturers.

REFERENCES