

faculties or departments they are educated in (YÖK, 2010). "Pedagogic Training" that takes part in the process of preparation for teaching profession, could be defined as formation and development required for providing education and teaching. Pedagogical formation simply includes giving pedagogy education to people who already have taken an education in the field and this education is related to how they teach their field (Yıldırım and Vural, 2014). Within the framework of pedagogic training, the following courses are provided: Introduction to Teaching Profession, School Experience, Development and Learning, Planning and Assessment in Teaching, Education Technologies and Material Development, Classroom Management, Methods for Special Education 1 and 2, School Experience II, and Guidance. Courses included in pedagogic training are applied as a whole; beginning in the fifth semester along four semesters (2 years) for undergraduates, and two semesters (1 year) for those who completed undergraduate education.

Situation of the Problem

Several studies have investigated the attitudes of teachers and prospective undergraduate teachers towards teaching profession. However, there are limited studies regarding relationships between various variables and attitudes towards teaching profession among the students and graduates who receive pedagogic training.

In order to meet the requirements for teaching profession, one has to have positive attitudes towards the profession. Carrying out the teaching profession with sympathy is an important factor for being successful in the profession. Therefore, in order to provide opportunities to develop positive attitudes towards teaching profession, and in order to contribute to the efforts for developing and enhancing the pedagogic training, it is important to learn about the attitudes towards teaching profession among the students/graduates who did not prefer teacher education programs, but later took pedagogic training in order to be assigned as teachers.

Aim of the Study

Aim of the present study is to determine attitudes towards teaching profession among the students who receive pedagogic training in order to be assigned as teachers. Within the framework of this general aim, answers to the following questions have been sought: Do the attitudes towards teaching profession among the students who receive pedagogic training significantly change regarding the variables; (1) gender, (2) level of education (grade or status for graduation), (3) department in which one has took education / graduated from, (4) faculty/school in which one has took education / graduated from.

METHOD

The research is conducted in screening (descriptive-survey) model. Screening model aims to describe a past or present situation as it is. The sample of the present research is constituted from the students/graduates of Faculty of Science and Arts, Faculty of Fine Arts, Faculty of Theology, School of Physical Education and Sports, and School of Health, who were continuing their pedagogic training programs in Sakarya University Faculty of Education, in the academic year of 2010-2011. The participants were selected via "cluster sampling" method. Frequency distribution of students, taking part in the present study, in terms of variables was shown in Table 1.

Table 1. Frequency Distribution of Students with regard to Variables

Variables		N	%	
Gender	Female	497	77.2	
	Male	147	22.8	
Level of Education	3 rd grade	321	49.8	
	4 th grade	213	33.1	
	Graduated	110	17.1	
Faculty/High School	Faculty of Arts and Sciences	445	69.1	
	Faculty of Theology	69	10.7	
	Faculty of Fine Arts	25	3.9	
	School of Physical Education and Sports	30	4.7	
	Health High School	30	4.7	
	School of State Conservatory	45	7.0	
Departments	Faculty of Arts and Sciences	History	84	13.0
		Geography	27	4.2
		Sociology	96	14.9
		Philosophy	17	2.6
		Turkish Philology	88	13.7
		German Philology	34	5.3
		Chemistry	17	2.6
		Biology	23	3.6
		Mathematics	59	9.2
	Faculty of Theology	Basic Islamic Sciences	37	5.7
		Islamic History and Arts	32	5.0
	Faculty of Fine Arts	Painting	13	2.0
		Traditional Turkish Handicrafts	12	1.9
	School of Physical Education and Sports	Recreation	18	2.8
		Sport Management	12	1.9
	Health High School	Midwifery	12	1.9
		Nursing	18	2.8
	School of State Conservatory	Basic Sciences	12	1.9
		Turkish Folk Dances	12	1.9
		Turkish Music	21	3.3

Material

In data collection, "Inventory for Attitudes towards Teaching Profession" (IATTP) that was developed by Üstüner (2006) was utilized. The inventory, which revealed single factor on five-point likert type scale, included 34 items, out of which 24 were positive and 10 were negative. Regarding the construct validity of the inventory, it is implied that the first factor which was constituted of 34 items had factor loadings ranging from .74 and .41 and explained 30% of the variance. The criterion validity of the inventory was .89, its reliability coefficient was .72, and the internal consistency coefficient (Cronbach Alpha) was .93. Demographic informations of the students/graduates who received pedagogic training were obtained from 4 questions that were on the same form.

Data Analyses

For data analyses, SPSS 13.0 Statistical Package Program was used. The items of "Inventory for Attitudes towards Teaching Profession" were scored as (5) "Totally Agree", (4) "Mostly Agree", (3) "Somewhat Agree", (2) "Partially Agree", and (1) "Disagree". Negative items were reversed prior to the analyses. Analyses revealed the following descriptive information; 1.00-1.80: Disagree, 1.81-2.60: Partially Agree, 2.61-3.40: Somewhat Agree, 3.41-4.20: Mostly Agree, 4.21-5.00: Totally agree. T-test and analyses of

variance were performed in order to investigate whether the scores differed according to the variables. 0.05 was accepted as the significance level in the research.

FINDINGS

T test results of pedagogical formation certification program students' attitudes towards teaching profession related to gender variable was presented in Table 2.

Table 2. T test results of students' attitudes towards teaching profession related to gender variable

Gender	N	\bar{x}	sd	df	t	P
Female	497	4.12	0.55	642	0.66	0.51
Male	147	4.09	0.58			

As Table 2 shows that students' attitudes towards teaching profession do not change in accordance with gender variable [$t_{(642)} = 0.66, p > .05$].

Analysis of variance results of pedagogical formation certification program students' attitudes towards teaching profession in the sense of level of education can be seen in Table 3.

Table 3. Analysis of Variance Results of Students' Attitudes towards Teaching Profession and Level of Education

Level of Education	N	Mean (\bar{x})	sd		Sum of Squares	df	Mean Square.	F	p
3 rd Grade	321	4.110	.558	Between Group	.225	2	.113	.354	.702
4 th Grade	213	4.112	.611	Within Group	203.875	641	.318		
Graduated	110	4.161	.478						
Total	644	4.119	.563	Total	204.098	643			

As Table 3 shows that students' attitudes towards teaching profession do not differ in terms of level of education [$F_{(2-641)} = 0.354, p > .05$].

Table 4 represents the variance analysis of students' attitudes to teaching profession in relation to faculty or high school variable.

Table 4. Variance Analysis of Students' Attitudes to Teaching Profession in relation to Faculty/ High School Variable

Faculty/ High School	N	Mean (\bar{x})	sd		Sum of Squares	df	Mean Square	F	p
Faculty of Arts and Sciences	445	4.082	.583	Between Group	7.360	5	1.472	4.774	.000
Faculty of Theology	69	4.152	.445	Within Group	196.738	638	.308		
Faculty of Fine Arts School of Physical Education and Sports	25 30	3.950 4.449	.599 .545						

Health High School	30	4.056	.512			
School of State Conservatory	45	4.358	.399			
Total	644	4.119	.563	Total	204.098	643

As Table 4 represents that students' attitudes toward teaching profession change significantly in accordance with faculty or high school which they are studying at or they were graduated from. [$F_{(5-638)}=4.774$, $p < .05$]. In order to find the source of the difference, scheffe test was conducted and according to findings, there is a significant difference between students from School of physical education and sports and from Faculty of Arts and Sciences for the benefit of students from School of physical education and sports.

Kruskal Wallis H- Test results of students' attitudes towards teaching profession in relation to departments of the Faculty of Arts and Sciences can be seen in Table 5.

Table 5. Kruskal Wallis H- Test Results of Students' Attitudes towards Teaching Profession in relation to Departments of the Faculty of Arts and Sciences

Department	N	Mean ranks	df	χ^2	P	Significance
History	84	211.85				History-Turkish
Geography	27	231.00				Philology
Sociology	96	198.21				Chemistry-Turkish
Philosophy	17	201.26				Philology
Turkish Philology	88	267.88	8	18.689	.017	Biology-Turkish
German Philology	34	222.31				Philology
Chemistry	17	194.0				Sociology-Turkish
Biology	23	188.4				Philology
Mathematics	59	236.2				

As is seen in Table 5, attitudes of students towards teaching profession shows a significant difference in the way of departments of Faculty of Arts and Sciences [$\chi^2=18.689$, $p < .05$]. So as to find the source of the difference, Mann Whitney U-test was conducted by regarding binary combination of the groups. There is a significant difference between Turkish Philology students/ graduates and History, Chemistry, Biology and Sociology students/ graduates in the interest of Turkish Philology students.

Table 6 shows T test results of students' attitudes towards teaching profession in relation to departments of the Faculty of Theology.

Table 6. T Test Results of Students' Attitudes towards Teaching Profession in relation to Departments of the Faculty of Theology

Departments	N	\bar{x}	sd	Df	t	P
Basic Islamic Sciences	37	4.104	.481	67	.960	.347
Islamic History and Arts	32	4.206	.400			

According to Table 6, students' attitudes do not differ in terms of departments of Faculty of Theology [$t_{(67)}=0.960$, $p > .05$].

Table 7 shows Mann Whitney U test results of students' attitudes towards teaching profession in accordance with departments of Faculty of Fine Arts.

Table 7. Mann Whitney U Test Results of Students' Attitudes towards Teaching Profession in accordance with Departments of Faculty of Fine Arts

Departments	N	Mean Ranks	Rank Sum	U	p
Painting	13	11.38	148.00	57.000	.253
Traditional Turkish Handicrafts	12	14.75	177.00		

Table 7 indicates that students' attitudes do not differ significantly with regard to departments of Faculty of Fine Arts [U= 57.000, p >.05].

Mann Whitney U test results of pedagogical formation students' attitudes toward teaching profession as regards departments of School of Physical Education and Sports can be seen in Table 8.

Table 8. Mann Whitney U Test Results of Pedagogical Formation Students' Attitudes towards Teaching Profession as regards Departments of School of Physical Education and Sports

Departments	N	Mean Ranks	Rank Sum	U	p
Recreation	18	16.33	294.00	93.000	.525
Sport Management	12	14.23	174.00		

According to Table 8, there is no significant difference between departments of School of Physical Education and Sports in terms of students' attitudes towards teaching profession [U= 93.000, p >.05].

Mann Whitney U test results of students' attitudes with regards to departments of Health School can be seen in Table 9.

Table 9. Mann Whitney U Test Results of Students' Attitudes in terms of Departments of Health School

Departments	N	Mean Ranks	Rank Sum	U	p
Midwifery	12	11.29	135.50	57.500	.032
Nursing	18	18.31	329.50		

Table 9 represents that there is a significant difference between departments of Health High School in the sense of students' attitudes [U= 57.500, p <.05]. When mean ranks considered nursing students' attitudes towards teaching profession are significantly higher than those of midwifery students.

Table 10. Kruskal Wallis H Test Results of Students' Attitudes with regard to Departments of School of State Conservatory

Departments	N	Mean Ranks	df	χ^2	P
Basic Sciences	12	22.00	2	.162	.922
Turkish Folk Dances	12	22.58			
Turkish Music	21	23.81			

As Table 10 shows that students' attitudes do not change significantly in terms of departments of School of State Conservatory [$X^2= 0.162$, p >.05].

RESULT, DISCUSSION, AND SUGGESTIONS

The present study examines the attitudes of students, taking pedagogical formation, towards teaching profession in relation to gender, level of education, department, faculty/ high school variables. Findings of the study indicates that there is no significant difference between students' attitudes towards teaching profession in terms of gender variable. Some researches support this finding (Demirel and Akkoyunlu, 2010; Bulut, 2009; Başbay, Ünver and Bümen, 2009; Okçu and Çelik, 2009; Gömleksiz, Oral and Bulut, 2006; Bulut and Doğar, 2006; Şimşek, 2005; Yüksel, 2004; Çapa and Çil, 2000) whereas results contradict with some other studies (Eraslan and Çakıcı, 2011; Aksoy, 2010; Keser, Bayır and Numanoğlu, 2009; Çapri and Çelikkaleli, 2008; Seferoğlu, 2004). There is no significant difference between students' attitudes towards teaching profession in the sense of students' level of education (3rd and 4th grade or graduated). Similarly Çapa and Çil (2000) found no significant difference between 3rd and 4th grade students' attitudes towards teaching profession. Furthermore, Eraslan and Çakıcı (2011) found no significant difference between pedagogical formation students' attitudes towards teaching profession in terms of level of education (3rd grade or graduated). With regard to faculty or high school variable students' attitudes show a significant difference between School of Physical Education and Sports and Faculty of Arts and Sciences. The attitudes of students from School of Physical Education and Sports are significantly higher than those from Faculty of Arts and Sciences. School of Physical Education and Sports include education courses related to physical education as compared to Faculty of Arts and Sciences so that students' attitudes towards teaching profession maybe higher in School of Physical Education and Sports. Moreover, students who take pedagogical formation training answers questions on the scale mostly by "mostly agree" option. Researches support this finding (Bulut, 2009; Şimşek, 2005; Demirel and Akkoyunlu, 2010; Başbay, Ünver and Bümen, 2009). In terms of departments there is no significant difference between departments of Faculty of Theology, Fine Arts, School of Physical Education and Sports, State Conservatory while there is a significant difference between departments of Faculty of Arts and Sciences and Health High School. Turkish Philology students from Faculty of Arts and Sciences shows higher attitudes towards teaching profession than History, Chemistry, Biology and Sociology students. Similarly, nursing students from Health High School represents significant higher attitudes towards teaching profession than Midwifery students. Findings of studies related to department show differences (Aksoy, 2010; Çapa and Çil, 2000; Demircioğlu and Özdemir, 2014; Saracaloğlu et al., 2004). Order of priority for departments changes every year in the sense of teacher assignment so that attitudes of students from those departments can be different towards teaching profession and this can explain contradictory findings in the literature with regard to department variable. Further studies that compare pedagogical formation students' attitudes towards teaching profession in terms of faculty or high school variables are necessary. In addition, quantitative and qualitative studies which investigate why students from different faculties and high schools except for Education faculties take pedagogical formation in order to be a teacher should be carried out. Discussions about the necessity and quality of pedagogical formation frequently come to the fore. Researches show that training teachers with pedagogical formation creates some problems (Gül, Bakan and Ünal, 2014; Yıldırım and Vural, 2014). Teaching profession should be qualified, regarded as a specialization profession, and pedagogical formation certification programs should be improved accordingly.

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