1. Introduction

Today's society is severely plagued by natural disasters and various safety accidents that have occurred all over the world in recent years. Under the circumstances, overall society including young children's guardians and early childhood education institutions should make concerted efforts to prevent safety accidents among preschoolers to provide them with safe living spaces because safety accidents are highly likely to take place due to unsafe environments, poor safety guidance from adults and young children themselves who aren't yet good at judgment and self-control and whose physical skills and cognitive power aren't yet good enough to judge what's going on.

The purpose of this study was to examine the state of courses on safety education, health education and safety education against natural disasters in the departments nurturing early childhood teachers in two-, three- and four-year colleges in the region of Busan, as well-planned early childhood safety education is mandatory in today's circumstances. It's basically meant to raise awareness of the importance of curriculums for preservice early childhood teachers and to provide rationale on the necessity of courses related to young children's safety education, health education and safety education against natural disasters.

Two research questions were posed:

1. What is the state of college departments in the region of Busan that nurture preservice early childhood teachers?
2. What is the state of safety education provided by these departments?
Table 1. The list of colleges equipped with departments nurturing teachers related to early childhood in the city of Busan

| No. | School                                    | Department                        | Region     | Classification               |
|-----|-------------------------------------------|-----------------------------------|------------|------------------------------|
| 1   | Kyungnam College of Information & Technology | Early childhood education         | Sasang-gu  | 2/3/4-year private junior college |
| 2   | Kyungsung University                       | Early childhood education         | Nam-gu     | Four-year private univ.      |
| 3   | Kosin University                           | Early childhood education         | Youngdo-gu  | Four-year private univ.      |
| 4   | Daedong College                            | Early childhood education         | Geumjeong-gu | 2/3/4-year private junior college |
| 5   | Tongmyong University                       | Early childhood education         | Nam-gu     | Four-year private univ.      |
| 6   | Dong-Pusan College                         | Early childhood education         | Haewundae-gu | 2/3-year private junior college |
| 7   | Dong-A University                          | Child and family studies          | Saha-gu, Seo-gu | Four-year private univ.      |
| 8   | Dong-eui Institute of Technology           | Early childhood education         | Jin-gu     | 2/3/4-year private junior college |
| 9   | Dong-eui University                        | Early childhood education         | Jin-gu     | Four-year private univ.      |
| 10  | Dong-ju College                            | Early childhood education         | Saha-gu     | 2/3-year private junior college |
| 11  | Pukyong National University                | Early childhood education         | Nam-gu     | Four-year national univ.     |
| 12  | Busan KyungSang College                    | Early childhood education         | Yeonje-gu  | 2/3-year private junior college |
| 13  | Busan Institute of Science & Technology    | Early childhood education         | Buk-gu     | Four-year national univ.     |
| 14  | Busan National University of Education     | Early childhood education         | Yeonje-gu  | Four-year national univ.     |
| 15  | Pusan National University                  | Early childhood education         | Geumjeong-gu | Four-year national univ.     |
| 16  | Busan Digital University                   | Child educare                     | Sasang-gu  | Four-year private cyber univ. |
| 17  | Busan Women's College                      | Early childhood education         | Jin-gu     | 2/3-year private junior college |
| 18  | Seoul Cyber University(Busan Campus)        | Child welfare                     | Youngdo-gu  | Four-year private univ.      |
| 19  | Silla University                           | Early childhood education         | Sasang-gu  | Four-year private univ.      |

2. Method

2.1 The Subjects
The departments related to nurturing early childhood education teachers were selected by random sampling from four-year universities and two-, three- and four-year private junior colleges in the city of Busan, which numbered 27.

2.2 Data Collection
The courses related to safety education were selected from the curriculums on the websites of the selected departments based on the educational statistics yearbooks of Busan(2011-2015). The collected data were analyzed to see whether the courses were offered as independent ones or as part of child health education or similar courses.

3. Results

3.1 The State of College Departments Nurturing Preservice Early Childhood Teachers in the City of Busan
Out of the 27 colleges, 11 four-year universities including two cyber colleges and eight two-, three- and four-year colleges were equipped with departments that nurtured teachers related to early childhood (see Table 1). And there were two or more departments in 19 colleges that nurtured teachers related to early childhood. These departments numbered 24 in total, and were titled early childhood education, child welfare, child educare, child and family studies, and child welfare and educare.
Table 2. The list of the safety-related courses in the departments that nurtured teachers related to early childhood in the colleges in Busan

| No. | School                        | Department                        | Course                           | Remarks                                      |
|-----|-------------------------------|-----------------------------------|----------------------------------|----------------------------------------------|
| 1   | Kyungnam College of Information & Technology | Early childhood education         | Child health education           | 3-1 core elective                            |
| 2   | Kyungsung University          | Early childhood education         | Child health education           | 3-1 core elective                            |
| 3   | Kosin University              | Early childhood education         | Child welfare                   |                                               |
| 4   | Daedong College               | Early childhood education         | Child health education Child nursing | 2-1 core elective 3-2 core elective        |
| 5   | Tongmyong University          | Early childhood education         | Child safety management Early childhood health education | 4-1 core elective 4-2 core elective |
| 6   | Dong-Pusan College            | Early childhood education Child educare | Child health education          |                                               |
| 7   | Dong-A University             | Child and family studies          | Child health education           |                                               |
| 8   | Dong-eui Institute of Technology | Early childhood education         | Child health education           |                                               |
| 9   | Dong-eui University           | Early childhood education         | Child safety management Child health education | 1-1 Major key 4-1 core enrichment course |
| 10  | Dong-ju College               | Early childhood education         | Child health education Child safety management | 2-1 major course 3-2 major course |
| 11  | Pukyong National University  | Early childhood education         | Child health education Child nursing | 2 core elective 4 core elective entrance in 2015 entrance in 2016 |
| 12  | Busan KyungSang College       | Child welfare and educare counsel Early childhood education | Child safety management Child health education | 2-1 core course |
| 13  | Busan Institute of Science & Technology | Early childhood education         | Child health education           | 3-1 core elective                            |
| 14  | Busan National University of Education | Early childhood education         | Child health education           |                                               |
| 15  | Pusan National University     | Early childhood education         | Child health education           | core course                                  |
| 16  | Busan Digital University      | Child educare                    | Child safety management Child health education | 1-1 core elective(basic) 3-1 core course(advanced) |
| 17  | Busan Women’s College         | Early childhood education         | Child health education Child safety management |                                               |
| 18  | Seoul Cyber University        | Child welfare                    | Child health education           | 1 intensive summer course core elective |
| 19  | Silla University              | Early childhood education         | Early childhood nutrition and health studies |                                               |
### Table 3. The list of the safety-related independent courses in the college departments

| No. | School                      | Department                        | Course                                      | Remarks                                      |
|-----|-----------------------------|-----------------------------------|---------------------------------------------|----------------------------------------------|
| 1   | Kosin Univ.                 | Early childhood education         | Early childhood health education Child safety management | 2-2 core elective 4-1 core elective          |
| 2   | Tongmyong Univ.             | Early childhood education         | Child safety management Early childhood health education | 4-1 core elective 4-2 core elective          |
| 3   | Dong-Pusan College          | Early childhood education         | Child health education                      |                                              |
| 4   | Dong-Eui Institute of Technology | Early childhood education     | Child health education                      |                                              |
| 5   | Dong-ju College             | Early childhood education         | Child health education Child safety management | 1-1 Major key 4-1 advanced major course      |
| 6   | Busan KyungSang College     | Child welfare and educare counsel | Child safety management Child health education | 2-1 major course 3-1 major course entrance in 2015 entrance in 2016 |
| 7   | Busan National University of Education | Early childhood education | Child health education                       |                                              |
| 8   | Busan Digital Univ.         | Division of child educare and education | Child safety management Child health education | 1-1 core elective(basic) 3-1 core course(advanced) |
| 9   | Busan Women's College       | Early childhood education         | Child safety management Child health education | 1-2 major course2-2 major course            |

### 3.2 The State of Safety Education in the Departments of the Colleges

The safety-related courses that were titled child health education, early childhood health education and child safety management were offered by the colleges that nurtured teachers related to early childhood in Busan. And the courses on child health education were offered in all the 24 departments in the 19 colleges (Table 2).

In addition, there were independent safety management courses in 10 departments in nine colleges (Table 3).

### 4. Conclusion

First, there were departments nurturing teachers related to early childhood in 19 out of 27 colleges located in the city of Busan, which were 11 four-year universities including two cyber ones and eight two-, three- or four-year colleges. The names of the departments were various, which were early childhood education, child welfare, child educare, child and family studies, and child welfare and educare. The names of these departments were diverse. The integration of early childhood education and educare is still one of major challenges in our society, and that's why the departments were differently named except for the department of early childhood education.

Second, the safety-related courses offered by the colleges in Busan were titled child health education, early childhood health education or child safety management. The majority were independent courses on child health education and safety management. Although the safety management courses were independent, most of them were core electives, and there is no need for preservice early childhood teachers to take these courses without fail.

In conclusion, a systematized, down-to-earth curriculum should urgently be prepared to ensure the efficiency of safety management courses, which should be offered as core courses.

### 5. References

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