

INFORMATION ON DOCTORAL THESIS

1. Full name: Tran Xuan Bo

2. Sex: Man

3. Date of birth: 19/7/1971

4. Place of birth: Thai Nguyen

5. Admission decision number: No. 812/QĐ-ĐHSPHN2, 19 October 2012
Rector of Hanoi Pedagogical University 2.

6. Changes in academic process:

Decision No. 264/QĐ-ĐHSPHN2 Decision on authorizing the PhD student of the PhD program 2012-2016 to extend the duration of the thesis 12 months from 19/10/2016.

7. Official thesis title: Practising the skills of maths teaching for students of primary education by adopting cooperative learning approach

8. Major: Education (Primary) 9. Code: 62140101;

10. Supervisors:

Main supervisor: Assoc. Prof. Trinh Thanh Hai

Sub-supervisor: Assoc. Prof. Dao Thai Lai

11. Summary of the new findings of the thesis

Clarify the framework for improving teaching maths skills for students of primary education by cooperative learning approach

- Analyze and evaluate the current practice of mathematics teaching for students in primary education in general and improve teaching math skills for students of primary education by cooperative learning approach at several universities

- Develop the content and methods of improving mathematics instruction skills which focus on 3 major measures: 1/ Develop and implement a common process to improve the skills of teaching mathematics for students of primary education. 2/ Design and implement activities to train the skills of teaching elementary mathematics in collaborative approach. 3/ Guide the activities of practicing math skills through pedagogic activities at elementary schools). These measures develop the basic skills of teaching mathematics for students of primary

education, as follows: skills of designing primary maths lessons, the skills of teaching mathematical concepts and properties; teaching skills in solving math problems.

12. Practical applicability:

The thesis contributes to the development of professional competence for students of primary education at universities and colleges, and at the same time to improve the quality of teachers' training for primary teachers.

13. Further research direction:

- Encourage participants in doing research at other universities and colleges.
- Encourage other researches on improving maths training skills for students which does not include mathematics teaching skills that this thesis focuses on.

14. Thesis-related publications

1) Tran Xuan Bo (2013), "Training some specialized teaching skills for primary teachers", *Education Journal*, vol. 8/2013, pp. 65-66.

2) Tran Xuan Bo and Chu Vinh Quyen (2014), "The required skills of a math teacher in maths teaching", *Science Journal*, Hanoi Pedagogical University No2, vol. 31, June, 2014

3) Nguyen Cao Thanh, Nguyen Ba Duc, Nguyen Khai Hoan, Tran Xuan Bo (2015). Cross-Learning Experiences of Vietnamese Students at Australian Universities. *International Journal of Modern Education Research*. Vol. 2, No. 1, 2015, pp. 1-7.

4) Tran Xuan Bo (2015), "The current state of maths teaching skills of teachers in primary schools in Tuyen Quang province", *Education Journal*, vol. 362(2) July, 2015, pp. 37-38 and pp. 29).

5) Tran Xuan Bo (2015), "Practising the skills of selecting and designing additional exercise systems in primary maths instruction", *Yearbook of Pedagogical University - Da Nang University*, October, 2015, pp. 748-758.

6) Tran Xuan Bo (2016), "Practicing the skills of detecting and solving some pedagogical situations in math teaching at primary schools", *Journal of Educational Science*, January, 2016, pp. 51-54.

7) Tran Xuan Bo (2016), “Current status of teaching co-operative teaching of primary teachers in Tuyen Quang province”, *Journal of Educational Science*, July, /2016, pp. 85-88.

8) Tran Xuan Bo (2017), “The process of developing maths teaching skills for students of primary education at Tan Trao University”, *Journal of Educational Equipment*, July, 2017, pp. 16-19.

9) Tran Xuan Bo (2017), “Designing the activities of practising skills of teaching ual and mathematical concepts and properties for students of education at Tan Trao University”, *Yearbook of Thai Nguyen University- Lao Cai College*, November, 2017, pp. 281-287.

10) Tran Xuan Bo (2018), “Some measures of training mathematical skills for students of primary education according to approach of mathematical geometry at Tan Trao University”, *Education Journal*, vol. Jan/2018, pp. 40-43.

**CONFIRMATION OF MAIN
SUPERVISOR**

PhD STUDENT

PGS.TS Trinh Thanh Hai

Tran Xuan Bo