

# Doctoral Program in Science Education

(English Program)

## Introduction

Faculty of Education, Kasetsart University is proudly to introduce a doctoral program, Doctor of Philosophy in Science Education. This initiative is our quick move towards ASEAN Community by 2015. This program is opened for all qualified local and international applicants from our neighboring countries in this ASEAN and beyond.

## Objectives

The Ph.D. in Science Education will prepare you to become a researcher in academia, government, and the private sector. Our program prepares you to:

1. create new knowledge and innovation regarding science education;
2. lead development of research-based instructional, professional, and outreach programs; and
3. promote effective and equitable science education practices for all learners.



## Kasetsart University

Kasetsart University is the first agricultural university and the third oldest university in Thailand. Kasetsart University was established on February 2, 1943, with the primary aims in promoting subjects related to agricultural science. To date, Kasetsart University has revised its curricula and expanded the subject areas to cover science, arts, social sciences, humanities, education, engineering, and architecture. Recently, the university made an attempt to include medicine and health science. Kasetsart University has four campuses throughout Thailand, where its main and flagship campus is at Bang Khen, Bangkok. The enrollment is over 58,000, placing it among the top largest universities in Thailand.

## Faculty Staff List

1. Assistant Prof. Dr. Pongprapan Pongsophon  
Ph.D. (Science Education)
2. Assistant Prof. Dr. Naruemon Yutakom  
Ph.D. (Science Education)
3. Assistant Prof. Dr. Chatree Faikhamta  
Ph.D. (Science Education)
4. Assistant Prof. Dr. Pattamaporn Pimthong  
Ph.D. (Science Education)
5. Dr. Ekarat Tanak  
Ph.D. (Science Education)
6. Dr. Jeerawan Ketsing  
Ph.D. (Science Education)
7. Dr. Ekgapoom Jantarakantee  
Ph.D. (Science Education)
8. Dr. Sasitthep Pitipornatapin  
Ph.D. (Science Education)
9. Dr. Chittamas Suksawang  
Ph.D. (Science Education)

## Potential Invited instructors

To broaden and deepen students' knowledge and experience, we will invite our long time partner, distinguished science/technology educators to run intensive workshops on selected issues in science education as shown in this following name list but not limited to

- Prof. Dr. Richard Coll  
(University of Waikato, New Zealand)
- Prof. Dr. William F. McComas  
(University of Arkansas, USA)
- Assoc. Prof. Dr. Samson Nashon  
(University of British Columbia, Canada)
- Assoc. Prof. Dr. Vicente Handa  
(West Visayas State University, the Philippines)

## Curriculum

The Ph.D. in Science Education requires a total of not less than 61 credits. The curriculum structure is provided as follows.

**A: Coursework 25 Credits**

- Seminar 4 Cr.
- Advanced Research Methods in Education 3 Cr.
- Curriculum Design and Pedagogy in Science Education 3 Cr.
- Research Design in Science Education 3 Cr.
- Electives 12 Cr. (6 Cr. for Biology, Chemistry or Physics courses at master/doctoral level and Sci Ed courses for 6 Cr.)

**B. Dissertation 36 Cr.**



## Qualification

Minimum quantitative and qualitative admissions standards are applied for the Ph.D. program in Science Education including:

- Got a master degree in Science Education or Science or Applied Science.
- For those whose native language is not English, must provide proof for English proficiency; Test of English as a Foreign Language (TOEFL) higher than 450 (PBT) or equivalent score higher than 57 (IBT), or IELTS score higher than 4.5 or CUTEF higher than 450
- meet the general requirements for admission to the Kasetsart University Graduate School
- 3 letters of recommendations
- A concept paper of dissertation research (Max. 5 page excluding reference).

## Admission schedule

The admission schedule for the first and second semesters will be announced via [www.grad.ku.ac.th](http://www.grad.ku.ac.th) and [www.edu.ku.ac.th](http://www.edu.ku.ac.th) in December-January and September-August respectively.

**The interviews for selection of candidates for Ph.D. in Science Education**

The applicants will present his/her concept paper for 10 minutes (PPT presentation, please prepare 10 copies of the slide handout) and respond to healthy comments by a panel of academic committees of the Science Education Program. Tuition and Fees: THB 425,340 (USD 13639.38; 1 USD = 31.18 BHT)

Covering 6 semesters, 3 year program, international workshops, extra -curricular activities). The fee does not include costs of textbooks and research work

For further information contact:

**Assist. Prof. Dr. Pongprapan Pongsophon, Chair**  
(via email :[feduppp@ku.ac.th](mailto:feduppp@ku.ac.th))

**Assist. Prof. Dr. Chatree Faikhamta, Coordinator**  
(via email: [feductf@ku.ac.th](mailto:feductf@ku.ac.th))

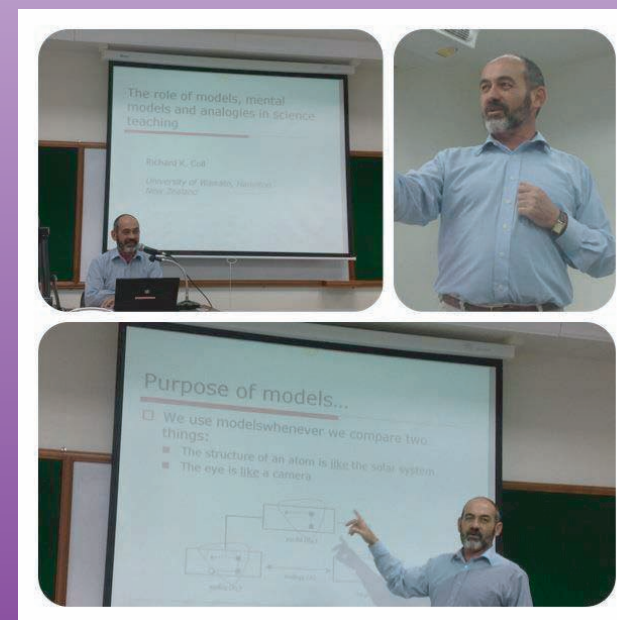


Program website: [www.doed.edu.ku.ac.th](http://www.doed.edu.ku.ac.th)  
Science Education Program, Department of Education,  
Faculty of Education, Kasetsart University  
50 Phaholyothin Rd. Ladyao, Chatuchak,  
Bangkok, Thailand 10900



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**Division of Science Education,**  
**Kasetsart University, Bangkok, Thailand**