



### PROGRAM OVERVIEW


The Conservation Ecology Program primarily focuses on the ecology of terrestrial vertebrates and their conservation. We conduct research and provide baseline data relevant for real world conservation, including population size, density estimation, impacts of human disturbance, foraging behavior, habitat selection, and broad-scale predictive mapping.

We also examine the effectiveness of protected areas as well as the impacts infrastructure (such as roads) on wildlife. Moreover, we develop graduates who can conduct cutting-edge research and have a comprehensive understanding of ecological management.

### OBJECTIVES

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To build the capacity of graduate students by enhancing their knowledge of ecological theory and conservation practice as well developing their potential in conducting research and generating new knowledge that can be integrated into natural resources management and ecological conservation.
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To build the capacity of graduate students to be determined, resilient, ethical, and morally grounded, with the ability to solve problems independently, maintain good interpersonal relationships, and conduct research in accordance with professional ethics.
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To publish high quality, high impact research articles and develop research techniques that can be applied to effectively manage natural resources.



### PROGRAM LEARNING OUTCOME

- **Cutting-edge knowledge**
- **Quantitatives skills**
- **English communication**
- **Leadership & Teamwork**
- **Lifelong Learning**
- **Professional ethics & Integrity**



### REQUIREMENT OF GRADUATION

- One publication in an international journal listed in SCOPUS databases
- Pass LNG 550 and LNG 601 or Pass English language proficiency test (TETET score at least 4.5, IELTS academic at least 5.0, TOEFL iBT at least 65)

### Conservation Ecology Program, KMUTT



<https://cons-ecol-kmutt.weebly.com/>

**KMUTT and external funding available:**

<https://www.kmutt.ac.th/sfa/scholarships-for-international-students/?lang=en>  
<https://sbt.kmutt.ac.th/en/scholarships/>



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### MSC Study Plan - 2 years (37 credits)

### Qualifications for prospective students

**Compulsory courses** (4 credits)

**Elective courses** (21 credits)

**Thesis** (12 credits)

- Bachelor's degree or equivalent in Science, Social Science, Engineering, or related fields
- Pass the selection process and obtain approval from the Program faculty members

## CORE COURSES

### Semester 1

YEAR 1

CEP 601	Fundamental Skills for Academics - (3 credits) *compulsory course
CEP 602	Evolution - (3 credits)
CEP 603	Ecological Systems - (3 credits)
CEP 605	Ecological Statistics - (3 credits)
CEP 606	Geographic Information System for Natural Resources Management - (3 credits)

### Semester 2

CEP 607	Field Techniques for Wildlife Studies - (3 credits)
CEP 608	Behavioral Ecology - (3 credits)
CEP 699	Thesis

### Semester 1

YEAR 2

CEP 610	Population Ecology - (3 credits)
CEP 699	Thesis

### Semester 2

CEP 612	Seminar - (1 credit) *compulsory course
CEP 699	Thesis

### Elective courses

CEP 604	Ornithology and Mammalogy - (3 credits)
CEP 609	Genetic Management for Plant and Wildlife Conservation - (3 credits)

