

หลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิชาอนามัยโรงเรียน (หลักสูตรนานาชาติ)

IN SCHOOL HEALTH (INTERNATIONAL PROGRAM)

FACULTY OF TROPICAL MEDICINE

AND

FACULTY OF GRADUATE STUDIES

MAHIDOL UNIVERSITY

REVISED PROGRAM ACADEMIC YEAR 2020

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Master of Science Program in School Health (International Program) Revised Program Academic Year 2020

Name of Institution Mahidol University

Campus/Faculty/Department Faculty of Tropical Medicine

Section 1 General Information

1. Curiculum name

Thai : หลักสูตรวิทยาศาสตรมหาบัณฑิต สาขาวิชาอนามัยโรงเรียน (หลักสูตรนานาชาติ)
 English : Master of Science Program in School Health (International Program)

2. Name of degree

Thai Full name : วิทยาศาสตรมหาบัณฑิต (อนามัยโรงเรียน)

Abbreviation : วท.ม. (อนามัยโรงเรียน)

English Full name : Master of Science (School Health)

Abbreviation: M.Sc. (School Health)

3. Major Subject: none

4. Required Credits : not less than 36 credits

5. Curriculum characteristics

5.1 Curriculum type/model : Master degree program

5.2 Language : English

5.3 Recruitment : Thai and foreign students

5.4 Cooperation with Other Universities: This program is Mahidol University's program.

5.5 Degrees offered to graduates : One degree of one major

6. Curriculum status and curriculum approval

- 6.1 Program was revised in 2019 (B.E. 2562)
- 6.2 Starting in semester semester 1, academic year 2020 onwards
- 6.3 Curriculum committee approved the program in its meeting 7/2019 on July 22, 2019

and 11/2019 on October 28, 2019

6.4 The Mahidol University Council approved the program in its meeting 552 on January 15, 2020

7. Readiness to implement/promote the curriculum

The curriculum from the program is readily implemented or promoted its quality and standard according to criteria set by Thai Qualification Framework for Higher Education in academic year 2021 (one year after implementation)

2

8. Career opportunities of the graduates

- 8.1 School health staff
- 8.2 School health specialist
- 8.3 School health researcher
- 8.4 School health consultant
- 8.5 School health organizer

9. Name-Surname, I.D. number, title and degree of the person in charge of the curriculum

Number	ID number Academic position Name-Surname	Degree (Field of study) University: Year of graduation	Department
1	XXXXX XXXXX XX Associate Professor Dr. Suwalee Worakhunpiset	Ph.D. (Tropical Medicine), Mahidol University: 2004 M.Sc. (Technology of Environmental Management), Mahidol University: 1996 B.N.S., Mahidol University: 1991	Social and Environmental Medicine
2	XXXXX XXXXX XX X Assistant Professor Dr. Dumrongkiet Arthan	Ph.D. (Biochemistry), Mahidol University: 2003 M.Sc. (Biochemistry), Mahidol University: 1996 B.Sc. (Biochemistry), Chulalongkorn University: 1992	Tropical Nutrition and Food Science
3	XXXXX XXXXX XX Assistant Professor Dr. Supaluk Popruk	Ph.D. (Tropical Medicine) Mahidol University: 2007 B.Sc. (Medical Technology), Naresuan University: 2001	Protozoology

10. Venue to conduct the study

Faculty of Tropical Medicine, Mahidol University

11. External factors or developments needed to be considered in curriculum planning

11.1 Economic Situation/Development

Like other countries in the world, Thailand is becoming an aging society, with approximately 20% of the population in 2019 being elderly (aged 60 years and older) making the estimation that a working age person must take care of two elderly people. This is considered to be a heavy burden for this group of people Therefore, all countries urgently requires a new generation of high quality children. Good health of children is essential for their learning and cognitive ability. Ensuring good health when children are of school age can boost attendance and educational achievement as well as complete both physical, mental, and emotional, and intelligent health.

In the past decades of the emergence of the boundless world, there were dramatic changes in environmental, economic, political, social and cultural situations. The results show great changes in thai people's daily lives for rapid absorbing messages and foreign cultures which lead to various kinds of problems such as sexual risk of inappropriate period of intercourse caused of teenage-pregnancy, junk food consumptiom with over high energy caused malnutrition with the lack of proper exercise.

The 11th National Economic and Social Development Plan (NESDB) has the concept of continuity with those of 8th-10th NESDB restricted with the Sufficiency Economy Philosophy and aimed at humans as the center of development and construction of balancing development in all dimentions. This will reassure that the development is in the sustainable direction and construction of happiness among Thai people.

Under vision of Thailand beyond 2027 with the consideration of the context of future changes in all sectors in Thai society as follows. "Thai people are proud of being Thai, friendship on the way of life with the sufficiency economic norm, culture, democracy and justice. The basic public services with good governance are covered all. The safe and secure society is constantly expected in good atmosphere to help and support each other. The productive system is ecofriendly to the environment with the food and energy security and the economy is self-reliant and competes in the world trade arena. Thai people can live in the region of the world with dignity"

For developing countries particularly in Asia, schoolchildren are now facing many treats including malnutrition, clean environments, lack of sanitation and hygiene and lack of school management. In addition, a teacher is often assigned from school director or school principal to take care of school health. However, there are no teacher who are expert in school health. The school health program would be an important way to make these teachers to have school health knowledge to implement in their schools.

11.2 Social and Cultural Situation/Development

The informative technology is revoluted and rapidly connected throughout the world. The information is mostly from the western countries so there are rapid changes in social, culture, economy and environment owing to the endless consumption of western information, goods, services and culture leading to the affects on the development of the country in the future. Nowadays, the era of technology and globalization has made the travel abroad more convenient and rapid. Hence, there are more outbreaks of diseases particularly the occurrence of emerging diseases. In order to prepare the society and the country's economy in advance to reach quality according to the impact of change. Therefore, the Master of Science Program (School Health) is served the NESDB to produce graduates in the field of school health in order to improve the health hygiene among schoolchildren and youth for a qualified growth. Children and youth become the most important drivers in developing countries around the world in the future.

Therefore, it is necessary to focus on the development of children and youth to be complete in terms of physical, mental, spiritual and moral situations for happily lives in society. Health care from the start is so important to enhance the health of people in excellent physical, mental, social and spiritual situations. There are some words that the education and health are like the front and the back of a coin, there will be no one side either. The school is a basic social institution that has the duty to develop children and youth to have knowledge and potential to cultivate health knowledge and health attitude. This will result in strong health then children and youth can study completely and grow in quality to become potential adults for developing country later.

In Thailand and other ASEAN countries, a teacher has usually been assigned from school director or school principal to take care of school health. In fact, each primary school must have the real position school health teachers who must graduate in the field of school health rather than in other fields and training as a school health teacher. As a results, most school health teachers lack knowledge and understanding about choosing the appropriate health assessment for school children and they have less experience to work in school health service. Therefore, the teachers or any organizations related to child are required to be trained school health short courses or study Master of Sceince in school health program so that they perform an exact role in school health managaement including health education and health promotion for school childern.

12. The Effects Mentioned in No.11.1 and 11.2 on Curriculum Development and Relevance to the Missions of the University

12.1 Curriculum Development

As mensioned above, school health teachers have usually lacked knowledge and understanding about choosing the appropriate health assessment for school children and have less experience to work in school health service. Therefore, to fill the gap, the school health program have been established to provide the students for health promoting school including school policies, healthy school environment, school health service, school organization counseling/social support, school health education, school/community projects, nutrition/food safety physical exercise, sport, and recreation, and health promotion for staffs. The program also conducted a survey among potential students and employers in August 2017. The survey participants are those who work related to school health, including teachers and and schoolrelated public health officers of the Ministry of Public Health Thailand, and other private sectors. For potential students, about 90% of them were interested to postgraduate study. Master degree is the most preferable program for pursuing the study. Presently, the trend of attending international courses rises among Thai and global societies. It is the market demand of academic graduates with the government policy to drive Thailand to be the academic center of Asia (Educational Hub). The competencies of graduate that both potential students and employers would like to have most are: being able to manage, promote, educate health for the children that fit with school needs, being responsible and devote to the task given, being discipline and having ethical consideration, satisfaction with the career path and position, being able to communicate and work with others.

According to evaluations of the students in every year, they suggested that the course for the continuation of the course in order to know how to cope with school health problems and protect schoolchildren from hazardous factors. However, it seems practical in the real situation like field trip study is very impact and useful for students. The program also conducted a survey among alumni and employers in October 2018. On average, present international students and alumni gave the program an average score of 8.5 and 8.6 respectively (on the scale of 1–10 of the program satisfaction). These results means students are very satisfied with their study experience in school health program.

12.2 Relevance to the Missions of the University

The international course of Master of Science (School Health) is directly related to the mission of the Faculty of Tropical Medicine and Mahidol University in health science which the graduates will learn and understand important diseases among schoolchildren, health promotion and school hygiene, environmental management including knowledge of research. For one component in driving health national policy corresponded with the vision of the Faculty to etrablish the international program in school health and to formulate a strategic leadership approach to international excellence in research, teaching, academic and health services for a better quality of life of people in tropical regions and for strengtheness of health development among youth and children in physical and spiritual excellences which are the important factors for Thai society and humanity.

13. Cooperation with Other Curricula of the University

This curriculum supports the mission of the university on the part of excellence in school health to benefit of mankind particularly school children. The program is designed to integrate health knowledge and practices to school or any organizations related to child, in which the graduates will be able to apply their knowledge and skills to develop innovations to improve health practices in school, any organizations and country.

13.1 Course offered by other faculties/departments /programs:

Courses offered to other programs are as follow:

Course code		Course title	Credit
Require	ed cou	irses	
TMID	544	Research Methodology	2 (2-0-4)
Elective	e cour	ses	
TMSE	524	Principles of Environmental Health and Toxicology	2 (2-0-4)
TMSE	528	Environmental Management	2 (2-0-4)
TMHG	549	Application Of Geographical Information System (Gis)	2 (1-2-3)
		in Epidemiology	
TMCD	519	AIDS	2 (2-0-4)
TMNU	506	Nutrition	2 (2-0-4)

13.2 Courses offered to other programs: None

Courses offered to other programs are as follow:

Course co	ode	Course title	Credit
Elective co	ourse	es	
*TMSH 5	518	Instructional Media Design for School Health Promotions	2 (1-2-3)

13.3 Coordination:

The curriculum management emphasizes on collaborating with course instructors regularly; hence, meeting among instructors is not only a formal meeting, yet it requires another preparation meeting to know the curriculum management and current circumstance, including teaching schedules before proposing the agenda of the next meeting. In addition, the other issues of the important program management and the class schedule is coordinated with the faculty staffs regularly to obtain appropriate schedules which suited to the purpose of the course management, which is considered the readiness from various parts to achieve the ultimate goal of the program.

Section 2 Information of the Curriculum

- 1. Philosophy, Justification, and Objectives of the Curriculum
 - 1.1 Philosophy and Justification of the Curriculum

1.1.1 Philosophy of Program

The Master of Science Program in School Health (International Program) aims to train graduate students to become proficient and skillful in school health, cultivate attitudes and skills in both fundamental and researches being conducted with responsibilities and consideration on rights of research participants in line with widely recognized ethical standards for research.

1.1.2 Significance of Program

Currently, health problems in school and nearby community have rapidly progressed and developed. The school health Program aims to promote the development of healthy and prevent important health risks among children and adolescents to engage the education sector. The program prepares graduates equipped with knowledge and skills in school health, health promotion in school setting, school management.

1.2 Objectives of the Program:

By the end of the study, the graduates will have qualifications according to Thai Qualifications Framework for Higher Education as shown below.

- 1.2.1 Demonstrate integrity, good moral and self-sacrifice for the welfare of the school community.
 - 1.2.2 Demonstrate competency in current contents of school health knowledge.
- 1.2.3 Apply knowledge gained and skills in recognizing problems, and plan, implement, manage and evaluate the impact of school health development projects.
 - 1.2.4 Work cooperatively with leadership and high responsibility for assigned work.
- 1.2.5 Apply statistic analytical thinking and information technology to search for work, communication and presentation effectively.

1.3 Program Learning Outcomes (PLOs)

- PLO1 Demonstrate moral and ethical manners in school-health-based research.
- PLO2 Describe comprehensive knowledge of school health.
- PLO3 Apply knowledge gained and skills in health promotion, health prevention, health education, and health management, to solve health problems in schools and communities.
 - PLO4 Facilitate either as leaders or followers to complete the collaborative works
- PLO5 Apply appropriate scientific methods including statistical methods and information technology in school health.

2. Plan for Development and Improvement

Plan for Development/Revision	Strategies	Evidences/Indexes
1. Major revision every five years	SWOT and stakeholder	1. SWOT result
based on the policy of Thai Office	needs analysis	2. Revised curriculum report
of Commission of Higher		
Education		
2. Enhance teaching skills and	Provide/support training in	1. Conducting of staff training
course management skills of	teaching and evaluation.	2. Having of staffs receiveing
lecturers and staff.		trainings
		3. Teaching evaluation report

1. Educational Management System

- **1.1 System:** Two Semester Credit system. 1 Academic Year consists of 2 Regular Semesters, each with not less than 15 weeks of study
- **1.2 Summer Session:** There is a 6 week Summer Semester in year 2, or as considered by the Curriculum Committee.
- 1.1 Credit Equivalence to Semester System: N/A

2. Curriculum Implementation

2.1 Teaching Schedule: Weekdays from Monday to Friday (8:00-16:30)

First Semester : August - December

Second Semester : January – May

Summer Semester : May - July

2.2 Qualifications of Prospective Students for Plan A(2) and Plan B)

- 2.2.1 Holding a Bachelor degree in either Sciences, Education or Arts, from Higher education institution which it is accredited by office of the Higher Education Commission
- 2.2.2 Having an cumulative GPA not less than 2.5
- 2.2.3 Having an English Proficiency Examination score as the requirement of Faculty of Graduate Studies
- 2.2.4 Other exceptions may be considered by the Program Director and the Dean of the Faculty of Graduate Studies

2.3 Problems of New Students Encounter

- 2.3.1 Students from non-native English speaking countries with unsatisfied English proficiency may encounter the problem during teaching and learning activities, writing thesis/thematic paper.
- 2.3.2 Students with variety of educational background may have difficulties in achieving PLOs particularly PLOs 2 and 3.

2.4 Strategies for Problem Solving/Limited Requirement in No.2.3

Problems of New Students	Strategies for Problem Solving
1. Students from non-native English speaking	1. Students who could not pass the
countries with unsatisfied English proficiency may	satisfaction English proficiency test must
encounter the problem during teaching and	attend extra English course.
learning activities, writing thesis/thematic paper.	
2. Students with variety of educational	2. The Program provide extra class for any
background may have difficulties in achieving	students who have low examination scores
PLOs particularly PLOs 2 and 3.	to adjust the knowledge for general health
	science and statistics for the first semester
	of the first academic year.

2.5 Five-Year-Plan for Recruitment and Graduation of Students

2.5.1 Plan A2

Year of Study	2020	2021	2022	2023	2024
1 st	4	4	4	4	4
2 nd		4	4	4	4
Cumulative number	4	8	8	8	8
Expected number of students graduation	-	4	4	4	4

2.5.2 Plan B

Year of Study	2020	2021	2022	2023	2024
1 st	4	4	4	4	4
Cumulative number	-	-	-	-	-
Expected number of students graduation	4	4	4	4	4

2.6 Budget based on the plan

Budget: The budget is from Faculty of Tropical Medicine, Mahidol University

	Plan A2	Plan B
Estimate income per student		
Registration fee		
Tuition	xxx,xxx	xxx,xxx
Thesis/thematic paper registration fee	xx,xxx	xx,xxx
Research supplies fee	xx,xxx	xx,xxx
Program fee	xx,xxx	xx,xxx
Field Trip expenses (TMSH 505)	x,xxx	x,xxx
Total income per student	xxx,xxx	xxx,xxx
Estimated expenses		
Variable expenses per student		
Overhead cost for Faculty of Graduate Studies and University	xx,xxx	xx,xxx
Position allowance of thesis advisor and committee	xx,xxx	xx,xxx
Total variable expenses per student	xx,xxx	xx,xxx
Fixed expenses		
Staff salary	xx,xxx	xx,xxx
Teaching payment	xxx,xxx	xxx,xxx
Guest lecturers	xx,xxx	xx,xxx
Utility fee	xx,xxx	xx,xxx
Material fee	xx,xxx	xx,xxx
Equipment fee	xx,xxx	xx,xxx
Total fixed expenses	xxx,xxx	xxx,xxx
Number of students at break-even point	3	3
Cost of students at break-even point	614,300	231,167
Expenses per student per academic year	307,150	231,167

^{*}Both plans use shared resourced at concurrent period, therefore the break-even point will be the maximum break-even between both plans in which at least 3 students are required each year for the whole program (as shown in table 2.5)

- **2.7 Educational System:** Classroom Mode
- 2.8 Transfer of Credits, Courses and Cross University Registration

Credits transferring must be in compliance with Mahidol University's regulations on Graduate Studies. More information can be found at www.grad.mahidol.ac.th.

3. Curriculum and Instructors

3.1 Curriculum

3.1.1 Number of credits (not less than) 36 credits

3.1.2 Curriculum Structure

The curriculum structure is set in compliance with Announcement of Ministry of Education on the subject of Criteria and Standards of Graduate Studies B.E. 2558, Master Degree, Plan A2 and Plan B as below:

	Plan A 2	Plan B
1) Required courses	20	20
2) Elective courses not less than	4	10
3) Thesis	12	-
4) Thematic Paper	-	6
Total not less than	36	36

3.1.3 Courses in the curriculum

1) Required Courses: Plan A2 20 Credits

: Plan B 20 Credits

		Credits (lecture – practice	e – self-study)
TMSH	502	Diseases in School Children	3 (2-2-5)
วขอร	 ೯೦೯	โรคที่เกิดกับเด็กวัยเรียน	
TMSH	503	School Environment Management	2 (2-0-4)
วขอร	ഭ്ഠണ	การจัดการสิ่งแวดล้อมโรงเรียน	
TMSH	504	School Health Development	2 (1-2-3)
วขอร	હ ે ૦હ	การพัฒนาอนามัยโรงเรียน	
TMSH	505	School Health Management	2 (0-4-2)
วขอร	ಹೆಂ ಹೆ	การจัดการอนามัยโรงเรียน	
TMSH	512	Health Issues in Schools	3 (3-0-6)
วขอร	ී මම	ประเด็นสุขภาพในโรงเรียน	
TMSH	513	Nutrition Principles for School Children	2 (2-0-4)
วขอร	ഭ്രണ	หลักโภชนศาสตร์สำหรับเด็กวัยเรียน	
TMSH	514	School Health Seminars	2 (2-0-4)
วขอร	ଝଉଝ	สัมมนาอนามัยโรงเรียน	
*TMSH	515	Epidemiology and Biostatistics in School Health	2 (2-0-4)
วขอร	රීම ර්	ระบาดวิทยาและชีวสถิติทางอนามัยโรงเรียน	
TMID	544	Research Methodology	2 (2-0-4)
วขสว	<u> </u>	วิทยาระเบียบวิธีวิจัย	

* New Course

2) Elective Courses

Plan A2 : not less than 4 Credits
Plan B : not less than 10 Credits

		•	•
TMS	H 511	Special Topics in School-Health Based Research	2 (2-0-4)
วขอร	දීගම	หัวข้อพิเศษการวิจัยบนพื้นฐานของอนามัยโรงเรียน	
TMS	H 516	Food for School Children	2 (2-0-4)
วขอร	ර්මව ව	อาหารสำหรับเด็กวัยเรียน	
TMS	H 517	Health Behaviors of School Children	2 (2-0-4)
วขอร	ସଁ ଝଁଡ଼ଣା	พฤติกรรมสุขภาพของเด็กวัยเรียน	
* TN	ISH 518	Instructional Media Design for School Health Promotions	2 (1-2-3)
วขอร	<u>ී</u> ලීගේ	การออกแบบสื่อการสอนเพื่อการส่งเสริมอนามัยโรงเรียน	
TMS	E 524	Principles of Environmental Health and Toxicology	2 (2-0-4)
วขวล	ୀ ଝଡ଼ଝ	หลักการทางสุขภาพสิ่งแวดล้อมและพิษวิทยา	
TMS	E 528	Environmental Management	2 (2-0-4)
วขวล	1 ೬೮ನ	การจัดการสิ่งแวดล้อม	
TMH	IG 549	Application of Geographical Information System (GIS)	2 (1-2-3)
		in Epidemiology	
วขสา	ଧ	การประยุกต์ระบบสารสนเทศภูมิศาสตร์ในวิทยาการระบาด	
TMC	D 519	AIDS	2 (2-0-4)
วของ	ଧ ହୁ ତୁଝ	โรคเอดส์	
MT	IU 506	Nutrtion	2 (2-0-4)
วขภา	රෙව ෑ	โภชนศาสตร์	

* New Course

In addition to elective courses mentioned above, a student may register other courses in international Program offered by other faculties or the ones offered by other universities according to the student's interest with the approval of the curriculum committee or the advisor.

3) Thesis (for Plan A2)

Credits (lecture - practice - self-study)

TMSH 698 Thesis

วขอข ๖๙๘ วิทยานิพนธ์

12 (0-36-0)

4) Thematic paper (for Plan B)

Credits (lecture – practice – self-study)

TMSH 697 Thematic Paper

วขอข ๖๙๗สารนิพนธ์

6 (0-18-0)

3.1.4 Research Project of the Program (for a Master's degree : Plan A2 and Plan B)

Guidelines for conducting a research project are as follows:

- Health status of school children
- Nutrition in school children
- School hygiene
- Disease prevention and control in schools
- Environmental health in schools
- Development of instructional media for school health
- Mental health in school children

3.1.6 Definition of Course Codes

Four main alphabets are defined as follows:

The first two alphabets are abbreviation of the faculty offering the course.

TM means Faculty of Tropical Medicine

The latter two alphabets are abbreviation of the department or the major offering the course.

- ID means Interdepartment
- SH means School health program
- SE means Department of Social and Environmental Medicine
- HG means Department of Tropical Hygiene
- CD means Department of Clinical Tropical Medicine
- NU means Department of Tropical Nutrtion and Food Science
- 3 digits of number are 5XX and 6XX indicate that the courses are in the graduate study

3.1.7 Study Plan

Plan A2

Year	Semester 1			Semester 2	
1	TMSH 502 Diseases in School Children	3 (2-2-5)	TMSH 512 Health	Issues in Schools	3 (3-0-6)
	TMSH 503 School Environment Manage	ment	TMSH 514 School	Health Seminars	2 (2-0-4)
		2 (2-0-4)			
	TMSH 504 School Health Development	2 (1-2-3)	Elective course no	ot less than 4 cred	its
	TMSH 513 Nutrition Principles for School	ol Children			
		2 (2-0-4)			
	TMSH 515 Epidemiology and Biostatistic	cs in			
	School Health	2 (2-0-4)			
	TMID 544 Research Methodology	2 (2-0-4)			
	TMSH 505 School Health Management	2 (0-4-2)			
	Total 15 credits			Total 9 credits	
2	TMSH 698 Thesis	6 (0-18-0)	TMSH 698 Thesis	6 (0-18	3-0)
	Total 6 credits			Total 6 credits	

Plan B

Year	Semester 1		Semester 2
1	TMSH 502 Diseases in School Children	3 (2-2-5)	TMSH 512 Health Issues in Schools 3 (3-0-6)
	TMSH 503 School Environment Manage	ment	TMSH 514 School Health Seminars 2 (2-0-4)
		2 (2-0-4)	
	TMSH 504 School Health Development	2 (1-2-3)	Elective course not less than 10 credits
	TMSH 506 Nutrition Principles for Schoo	ol Children	
		2 (2-0-4)	(Comprehensive exam)
	TMSH 515 Epidemiology and Biostatistic	CS	
	in School Health	2 (2-0-4)	
	TMID 544 Research Methodology	2 (2-0-4)	
	TMSH 505 School Health Management	2 (0-4-2)	
	Total 15 credits		Total 15 credits
	:		
	TMSH 697 The	ematic pap	per 6 (0-18-0)
	Tot	tal 6 credit	ts

3.1.8 Course Description

Please see Appendix A.

3.2 Name, I.D. Number, Title and Degree of Instructors

3.2.1 Full time instructors of the curriculum (Please see Appendix B)

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
1.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department of Tropical
	Professor Dr.Rungsunn	Mahidol University: 1988	Nutrition and Food Science,
	Tungtrongchitr	M.Sc. (Tropical Medicine),	Faculty of Tropical Medicine
		Mahidol University: 1981	
		B.Sc. (Medical Technology),	
		Mahidol Univesity: 1978	
2.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department of Protozoology,
	Associate Professor Dr. Aongart	Mahidol University: 2009	Faculty of Tropical Medicine
	Mahittikorn	B.Sc. (Public Health) (Hons.),	
		Mahidol University: 2003	

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
3.	XXXXX XXXXX XX X	Dip. Thai Board of Pediatrics	Department of Tropical
	Associate Professor Chukiat	Thai Medical Council: 1991	Pediatric, Faculty of Tropical
	Sirivichayakul	Dip. Thai Board of Tropical Medicine	Medicine
		and Hygiene	
		Mahidol Unviersity: 1997	
		M.D., Chulalongkorn University: 1985	
4.	XXXXX XXXXX XX X	Ph.D. (Life and Biomolecular Sciences),	Department of Tropical
	Associate Professor Dr. Direk	Open University, UK: 2009	Hygiene, Faculty of Tropical
	Limmathurotsakul	M.Sc. (Medical Statistics),	Medicine
		London School of Hygiene and	
		Tropical Medicine, UK: 2008	
		M.D. Chulongkorn University: 2000	
5.	XXXXX XXXXX XX X	Ph.D. (Biomolecular Sciences),	Department of
	Associate Professor Dr. Dorn	Liverpool John Moores University, UK:	Helminthology, Faculty of
	Watthanakulpanich	2009	Tropical Medicine
		M.D., Mahidol University: 2002	
		M.Sc. (Tropical Medicine),	
		Mahidol University: 1995	
		B.Sc. (Medical Technology),	
		Chiangmai University: 1988	
6.	XXXXX XXXXX XX X	Dr. oec. troph. (Nutrition and Food	Department of Tropical
	Associate Professor Dr. Karunee	Sciences)	Nutrition and Food Science,
	Kwanbunjan	Justus Liebig University, Germany: 1996	Faculty of Tropical Medicine
		M.Sc. (Tropical Medicine),	
		Mahidol University: 1984	
		B.Sc. (Biology),	
		Kasetsart University: 1981	
7.	XXXXX XXXXX XX X	Ph.D. (Environmental Engineering),	Department of Social and
	Associate Professor Dr. Kraichat	Suranaree University of Technology:	Environmental Medicine,
	Tantrakarnapa	2003	Faculty of Tropical Medicine
		M.Sc. (Technology of Environmental	
		Management), Mahidol University: 1990	
		B.S.(Statistics),	
		Chiangmai University: 1985	

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
8.	XXXXX XXXXX XX X	Dip. Thai Board of Tropical Medicine	Department of Tropical
	Associate Professor Kriengsak	and Hygiene	Pediatric, Faculty of Tropical
	Limkittikul	Mahidol University: 2006	Medicine
		Dip. Thai Board of Family Medicine	
		Thai Medical Council: 2003	
		Diploma of Virology	
		Nagasaki University, JAPAN: 2001	
		Dliploma Thai Board of Pediatrics	
		Khonkaen University : 1999	
		M.D., Mahidol University: 1995	
9.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department of
	Associate Professor Dr. Paron	Mahidol University: 2003	Helminthology, Faculty of
	Dekumyoy	M.Sc. (Tropical Medicine),	Tropical Medicine
		Mahidol University: 1985	
		B.Sc. (Biology),	
		Ramkhamhaeng University: 1980	
10.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department of Social and
	Associate Professor Dr.	Mahidol University: 2004	Environmental Medicine,
	Suwalee Worakhunpiset	M.Sc. (Technology of Environmental	Faculty of Tropical Medicine
		Management), Mahidol University: 1996	
		B.N.S. (Nursing),	
		Mahidol University: 1991	
11.	XXXXX XXXXX XX X	Ph.D. (Microbiology)	Department of Microbiology
	Associate Professor Dr. Thareerat	Monash University, Australia: 2000	and Immunology,
	Kalambaheti	M.Sc. (Microbiology)	Faculty of Tropical Medicine
		University of New South Wales,	
		Australia : 1991	
		B.Sc. (Microbiology),	
		Chualongkorn University: 1982	
12.	XXXXX XXXXX XX	Ph.D. (Biochemistry),	Department of Tropical
	Assistant Professor Dr.	Mahidol University: 2003	Nutrition and Food Science,
	Dumrongkiet Arthan	M.Sc. (Biochemistry),	Faculty of Tropical Medicine
		Mahidol University: 1996	
		B.Sc. (Biochemistry),	
		Chulalongkorn University: 1992	

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
13.	XXXXX XXXXX XX X	Dip. Thai Board of Epidemiology	Department of Clinical
	Assistant Professor Dr. Jittima	(Travel Medicine)	Tropical Medicine, Faculty of
	Dhitavat	Thai Medical Council: 2013	Tropical Medicine
		D.Phil. (Clinical Medicine),	
		University of Oxford, UK: 2003	
		Dip. Thai Board of Dermatology	
		Thai Medical Council: 1995	
		M.Sc. (Internel Medicine),	
		Chulalongkorn University: 1992	
		M.D. (Honors), Prince of Songkla	
		University: 1989	
14.	XXXXX XXXXX XX X	Ph.D. (Microbiology),	Department of Microbiology
	Assistant Professor Dr. Kobporn	Mahidol University: 2008	and Immunology, Faculty of
	Boonnak	M.Sc. (Immunology),	Tropical Medicine
		Mahidol University: 2000	
		B.Sc. (Biochemistry and Biochemical	
		Technology) ChiangMai University: 1996	
15.	XXXXX XXXXX XX X	Ph.D. (Mathematics),	Department of Tropical
	Assistant Professor Dr. Ngamphol	Mahidol University: 2008	Hygiene, Faculty of Tropical
	Soontornworasiri	M.Sc. (Applied Mathematics),	Medicine
		Mahidol University: 2003	
		B.Sc. (Mathematics), Mahidol	
		University: 2000	
16.	XXXXX XXXXX XX X	Ph.D. (Nutrition),	Department of Tropical
	Assistant Professor Dr.	Mahidol University: 2012	Nutrition and Food Science,
	Pattaneeya Prangthip	M.Sc. (Food Technology),	Faculty of Tropical Medicine
		University of New South Wale,	
		Australia: 2004	
		B.Sc. (Biotechnology),	
		Silapakorn University: 2001	

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
17.	XXXXX XXXXX XX X	Ph.D. (Epidemiology),	Department of Tropical
	Assistant Professor Dr. Saranath	University of Maryland, Baltimore, USA:	Hygiene,Faculty of Tropical
	Lawpoolsri Niyom	2009	Medicine
		Diploma in Tropical Medicine and	
		Hygiene, Mahidol University: 2003	
		M.D. (2 nd class honors),	
		Chulalongkorn University: 2000	
18.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department of Medical
	Assistant Professor Dr. Suchada	Mahidol University: 2010	Entomology, Faculty of
	Sumruayphol	M.Sc. (Appropriate Technology for	Tropical Medicine
		Resources and Environmental	
		Development),	
		Mahidol University: 2004	
		B.Sc. (Agriculture),	
		Kasetsart University: 2000	
19.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department Protozoology,
	Assistant Professor Dr. Supaluk	Mahidol Universit: 2007	Faculty Tropical Medicine
	Popruk	B.Sc. (Medical Technology),	
		Naresuan University: 2001	
20.	XXXXX XXXXX XX X	Ph.D. (Molecular Genetics and Genetic	Department of Tropical
	Assistant Professor Dr. Supawat	Engineering)	Pediatric, Faculty of Tropical
	Chatchen	Mahidol University: 2005	Medicine
		Dip. Thai Board of Tropical Medicine	
		and Hygiene	
		Mahidol University: 2014	
		M.D., Mahidol University: 2008	
		B.Sc. (Medical Science)	
		Mahidol University : 1999	
21.	XXXXX XXXXX XX X	Dip. Thai Board of (Pediatric in	Department of Tropical
	Assistant Professor Weerawan	Infectious Diseases)	Pediatric, Faculty of Tropical
	Hattasingh	Thai Medical Council: 2009	Medicine
		Dip. Thai Board of (Pediatrics)	
		Thai Medical Council: 2002	
		Dip. Thai Board of (Tropical Medicine	
		and Hygiene)	
		Mahidol University:: 2011	
		M.D., Mahidol University:1996	

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
22.	XXXXX XXXXX XX	Ph.D. (Infectious Diseases),	Department of Tropical
	Assistant Professor Dr. Wirichada	University of Liverpool, UK: 2007	Hygiene, Faculty of Tropical
	Pan-ngum	M.Sc. (Applied Statistics),	Medicine
		University of Oxford, UK: 1999	
		B.Sc. (Mathematics Operational	
		Research, Statistics and Economics),	
		University of Warwick: 1998	
23.	XXXXX XXXXX XX X	D.Sc. (Marine life science),	Department of Social and
	Assistant Professor Dr. Yanin	Jeju National University, South Korea:	Environmental Medicine,
	Limpanont	2010	Faculty of Tropical medicine
		M.S. (Aquatic Animal Disease),	
		Chulalongkorn University: 2004	
		D.V.M. Chulalongkorn University: 2001	
24.	XXXXX XXXXX XX X	Ph.D. (Biotechnology)	Department of Tropical
	Lecturer Dr. Amornrat Aroonnual	Mahidol University: 2006	Nutrition and Food Science,
		B.Sc. (Biotechnology)	Faculty of Tropical Medicine
		Mahidol University: 2000	
25.	Lecturer Dr. Athit Phetrak	Ph.D. (Environmental Engineering),	Department of Social and
		The University of Tokyo,Japan:2012	Environmental Medicine,
		M.Sc. (Environmental Technology and	Faculty of Tropical Medicine
		Management), Asian Institute of	
		Technology: 2009	
		B.Sc. (Public Health),	
		Mahidol University:2006	
26.	XXXXX XXXXX XX X	Ph.D. (Tropical Medicine),	Department of Tropical
	Lecturer Dr. Pannamas	Mahidol University: 2014	Hygiene, Faculty of Tropical
	Maneekan	M.Sc. (Community Medicine),	Medicine
		Chulalongkorn University: 1997	
		B.N.S. (Nursing Science),	
		Chonburi Nursing College: 1991	

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
27.	XXXXX XXXXX XX X	Ph.D. (Statistical Genetics)	Department of Tropical
	Lecturer Dr. Pimphen Charoen	Imperial College London, UK :2014	Hygiene, Faculty of Tropical
		M.Phil (Statistical Genetics)	Medicine
		University of Cambridge, UK :2008	
		M.Sc. (Applied Mathematics)	
		University of New South Wales,	
		Australia :2005	
		B.Sc. (Mathematics)	
		Mahidol University: 2002	
28.	XXXXX XXXXX XX	Ph.D. (Tropical Health),	Department of Social and
	Lecturer Dr. Suparat	University of Queensland,	Environmental Medicine,
	Phuanukoonnon	Australia 2003	Faculty of Tropical Medicine
		M.H.S. (Environmental Health),	
		Queensland University of Technology,	
		Australia: 1998	
		B.N.S. (Nursing),	
		Boromarajonani College of Nursing	
		Lampang : 1990	
29.	XXXXX XXXXX XX X	Ph.D. (Nutritional Biochemistry)	Department of Tropical
	Lecturer Dr. Sarunya Kaewprasert	Hokkaido University, Japan: 2002	Nutrition and Food Science,
		M.Agr. (Nutritional Biochemistry)	Faculty of Tropical Medicine
		Hokkaido University, Japan: 1999	
		B.Sc. (Biotechnology),	
		Mahidol University: 1997	

3.2.2 Full time instructors

Number	ID number	Degree (Field of study)	Department
	Academic position	University : Year of graduation	
	Name-Surname		
1.	XXXXX XXXXX XX X	Ph.D. (Infectious & Tropical Diseases)	Department of Pediatrics,
	Assistant Professor Dr.	University of London, UK: 2005	Faculty of Tropical Medicine
	Watcharee Arunsodsai	Dip. of Infectious Diseases	
		International Medical Center of	
		Japan, Tokyo, Japan: 1998	
		Dip. Thai Board of (Pediatrics)	
		Thai Medical Council: 1993	
		Dip. Thai Board of Tropical	
		Medicine and Hygiene,	
		Mahidol University: 1996	
		M.D., Mahidol University: 1987	
2.	XXXXX XXXXX XX X	Ph.D.(Biochemistry),	Department of Tropical
	Lecturer Dr.	Mahidol University: 2005	Nutrition & Food Science,
	Pornrutsami Jintaridh	M.Sc. (Nutrition),	Faculty of Tropical Medicine
		Mahidol University: 1995	
		B.Sc. (Nursing),	
		Chulalongkorn University: 1986	

3.2.3 Part time instructors

Part time instructors will be invited if required.

4. Details of Practicum: None

5. Thesis/Thematic paper requirement

5.1 Thesis requirement

Students in Plan A2 require to complete thesis project as stated in Section 3.1.4 ,Thesis must be complied to the regulations of the Faculty of Graduate Studies, Mahidol University. All research involving human subjects must be approved by the Ethics Committee of the Faculty of Tropical Medicine (FTM-EC).

5.1.1 Short Description

Identifying research topic in school health, developing research proposal related to the topic, planning a research based on a proper research methodology and research ethics, data collection, analysis, interpretation of the results, presenting, writing thesis, and publishing research in a peer-review scientific journal or presenting in the conference with Proceedings.

5.1.2 Standard Learning Outcomes

Students are able to apply knowledge and skills in the field of school health, to develop a proper thesis Students are able to present their thesis to the thesis examination committees, and publish in a peer-review scientific journal or present in the conference with Proceedings.

5.1.3 Time Frame

Plan A2: Semester 1 of academic year 2 until Semester 2 of academic year 2

5.1.4 Number of credits

12 credits for thesis of Plan A2

5.1.5 Preparation

Students develop their thesis under the supervision of thesis major- and coadvisors, appointed by Dean of Faculty of Graduate Studies. The advisor committee contains at least 3 persons, including major advisor, co-advisors who have expertise related to the project. Advising time must be provided including advice from advisors. Students must progress their work to the advisors 3 times per semesters to make sure that the project follow the project timeline.

5.1.6 Evaluation Process

In Plan A2, the research process shall be evaluated by the advisor of student's thesis every time of consultation during conducting the research. The final oral examination is systematically evaluated by the graduate committee following the standards of the Faculty of Graduate Studies, Mahidol University. Students must submit progress report (GR42) to the graduate committee and to the Faculty of Graduate Studies at the end of each semester and submit their complete thesis to the Faculty of Graduate Studies when they pass thesis defense examination.

5.2 Thematic paper requirement

Students in Plan B require to complete thematic paper requirement project as stated in Section 3.1.4 ,Thematic paper must be complied to the regulations of the Faculty of Graduate Studies, Mahidol University. All research involving human subjects must be approved by the Ethics Committee of the Faculty of Tropical Medicine (FTM-EC).

5.2.1 Short Description

Identifying research topic in school health, developing research proposal related to the topic, planning a research based on a proper research methodology and research ethics, data collection, analysis, interpretation of the results, presenting, writing thematic paper.

5.2.2 Standard Learning Outcomes

Students are able to apply knowledge and skills in the field of school health to develop a thematic paper project. Students are able to present to the thematic paper examination committee.

5.2.3 Time Frame

Plan B: Semester 2 of academic year 1

5.2.4 Number of credits

6 credits for thematic paper in Plan B

5.2.5 Preparation

Students develop their thematic papers under the supervision of thematic paper major- and co-advisors, appointed by Dean of Faculty of Graduate Studies. The advisor committee contains at least 3 persons, including major advisor, co-advisors who have expertise related to the project. Advising time must be provided including advice from advisors. Students must progress their work to the advisors at least once a month to make sure that the project follow the project timeline.

5.2.6 Evaluation Process

The students in Plan B must pass a comprehensive examination that focus on the topic of the planned research work of the students and on the knowledge related to Biomedical and Health Informatics.

In Plan B, the research process shall be evaluated by the advisor of student's thematic paper every time of consultation during conducting the research. The final oral examination is systematically evaluated by the graduate committee following the standards of the Faculty of Graduate Studies, Mahidol University. Students must submit progress report (GR42) to the graduate committee and to the Faculty of Graduate Studies at the end of each semester and submit their complete thematic paper to the Faculty of Graduate Studies when they pass thematic defense examination.

Section 4 Learning Outcome, Teaching Strategies and Evaluation

1. Development of Students' Specific Qualifications

Special Characteristics	Teaching Strategies or Student Activities	
1. Fulfil the expected outcomes of Mahidol graduates	Integrate activities promoting these	
M - Mastery	expected outcomes to co-curriculum	
A - Altruism	though these activities arranged by Faculty	
H - Harmony	of Tropical Medicine:	
l - Integrity	- Ethics and human research training	
D - Determination	(attend at least 1 time)	
O - Originality	- Cultural activities of FTM, including	
L - Leadership	international day, Songkran festival, etc.	
	- Visiting Chitralada Royal Villa for learning	
2. Fulfil the expected outcomes of the Faculty of	sufficient economic philosophy of King	
Tropical Medicine	Rama IX (attend at least 1 time)	
Tr - Transformation and Innovation	- Extra class for Thai language (attend at	
Op - Open and globally connected	least 3 times)	
M- Multidisciplinary	- Academic Forum held once a year (attend	
E- Entrepreneurship	at least 1 time)	
D- Data-driven decision	- Soft skills activities e.g. EndNote training	
	(at least 1 time), Scientific presentation	
	workshop (at least 1 time)	
	- Turnitin program for plagiarism checking	
	- Journal club (present at least 1 time,	
	attend at least 5 times)	

2. Development of Learning Outcome in Each Objective

Expected Outcome	Teaching Strategies	Evaluation Strategies						
1. Morality and Ethics								
1.1 Demonstrate good moral	- Practice	- Observation of ethical						
1.2 Demonstrate the school heath	- Problem solving	manner using rubric scoring						
situation and solve health	- Field of study	assessment						
problems in schools with ethical	- Proposal, Thesis/Thematic	- Rubric scoring of report						
consideration	paper writing	(citation)						
		- Ethical approval						
		- Defense of proposal &						
		thesis/thematic paper						
2. Knowledge								
2.1 Describe school health	- Lecture,	- Written examination and						
problems using theory and	- Work assignment	assignment with rubric scoring						
practice for academic and	- Field of study							
professional development								
3. Intellectual Development								
3.1 Apply school health	- Case based learning	- Comprehensive Examination						
knowledge and create concept	- Work assignment	-Rubric scoring assessment of						
idea for school health project	- Field of study	presentation, problem solving,						
3.2 Identify the current challenges	- Presentation	discussion and						
affecting school health	- Problem solving	defense of proposal &						
3.3 Demonstrate sharing	- Q&A, Discussion	Thesis/thematic paper						
knowledge, providing health	- Proposal, Thesis/Thematic							
counseling for the benefit of	paper presentation/writing							
school health development								
projects								
3.4 Design creative activities for								
health promotion in school								
effectively								
3.5 Design plans and implement								
the school health development								
projects themselves								

Expected Outcome	Teaching Strategies	Evaluation Strategies						
4. Interpersonal Relationship and Responsibility								
4.1 Work effectively with others	- Group assignment and group	- Rubric scoring assessment of						
and have a good relationship	collaboration in class school	assignment, observation of team						
4.2 Handle their assignments	visit and field of study.	work						
effectively and with discipline,								
responsibility								
4.3 Manage teamwork for school								
health actioning								
5. Mathematical Analytical Thinking, Communication Skills, and Information Technology Skills								
5.1 Apply statistical tools to	- Field of study	1) Performance assessment						
analyze school health data	- Assignment practice for	using rubric score						
5.2 Apply information technology	conducting thesis/thematic	2) Thesis/thematic paper						
to analyze and present data for	paper	examination (writing and						
the research appropriately		presentation)						

3. Curriculum Mapping

Please see Appendix C.

Section 5 Criteria for Student Evaluation

1. Grading System

Grading system and graduation shall be complied with the criteria stated in Regulations of Mahidol University on Graduate studies.

2. Evaluation Process for the Learning Outcome of Students

- 2.1 Annual assessment of the student's examination results, both for each course and the overall program
- 2.2 Instructor assessment on the student's ability to apply their knowledge learnt from previous course
- 2.3 Instructors annually revise the content of each course
- 2.4 Graduate interview
- 2.5 Stakeholder interview

3. Graduation Requirement

3.1 Plan A2

- 3.1.1 Total time of study should not exceed the study plan.
- 3.1.2 Students must complete courses as stated in the curriculum at least 24 credits including thesis (12 credits) and 36 credits in total with a minimum CUM-GPA of 3.00
- 3.1.3 Students must meet the English Competence Standard of Graduate Students, Mahidol University defined by the Faculty of Graduate Studies, Mahidol University.
- 3.1.4 Students must participate in professional and personal skills development of the Faculty of Graduate Studies, Mahidol University
- 3.1.5 Students must have oral presentation for thier thesis and pass the thesis defense examination by the thesis defense committees approved by following Regulations of Mahidol University on Graduate Studies. The thesis examination will be opened to a general audience.
- 3.1.6 The thesis or some parts of the thesis is required to be published in national or international academic journals accredited by Office of the Higher Education Commission Thailand regarding to guidelines for journal publication to achieve academic positions. Alternatively, it can be presented to academic conferences provided with conference proceedings, and to follow regulations from Faculty of Graduate Studies

3.2 Plan B

- 3.2.1 Total time of study should not exceed the study plan.
- 3.2.2 Students must complete their courses as stated in the curriculum with at least 30 credits including thematic paper (6 credits) and 36 credits in total with a minimum CUM-GPA of 3.00
- 3.2.3 Students must meet the English Competence Standard of Graduate Students, Mahidol University defined by the Faculty of Graduate Studies, Mahidol University.
- 3.2.4 Students must participate in professional skill development activities of the Faculty of Graduate Studies, Mahidol University
- 3.2.5 Students must pass the comprehensive examination following Regulations of Mahidol University on Graduate Studies.
- 3.2.6 Students must have oral presentation for thier thematic paper and pass the thematic paper defense examination by thematic paper defense committees approved by following Regulations of Mahidol University on Graduate Studies. The thematic paper examination will be opened to a general audience by following Regulations of Mahidol University on Graduate Studies. The themathic examination will be an examination open to a general audience.
- 3.2.7 The thematic paper or a part of thematic paper must be published and can be searched

Section 6 Faculty Development

1. The Orientation for New Faculty Members

- 1.1 New instructors have to attend the orientation to ensure that they know and understand the policy of the University and the Faculty, as well as to understand the courses in the curriculum they are to teach.
- 1.2 New instructors have to be trained on teaching, learning approaches, teaching plan preparation and teaching evaluation.
- 1.3 Mentoring system should be established for new academic staff regarding the teaching session and a thesis advisor.

2. Development of knowledge and skills for the faculty in the areas of:

2.1 Skills Development in Teaching and Evaluation

- 1) Provide workshops to develop skills on teaching and learning methods.
- 2) Encourage the faculties to increase their knowledge and experience in order to enhance their teaching and research works by furthering their studies and participating in trainings, workshops and conferences
- 3) Allow instructors to participate in the evaluation and revision of the curriculum and courses as well as develop a new curriculum.

2.2 Other academic and professional skills

- 1) Support instructors to do research, produce and present academic projects and write the manuscript for submitting to international journal.
- 2) Encourage and support instructors to attend meetings, training sessions, seminars and conferences both national and internation levels.

Section 7 Quality Assurance

1. Regulatory Standard

- 1.1 Director of the program is responsible for the program management in all courses of Master of Science (School Health). For courses that are administered jointly between departments, the Director of the program will assign course coordinator to supervise the course management to achieve the objectives of the course.
- 1.2 The Program must be reviewed and update every year, whereas the major revision or update must be done every 5 years.
- 1.3 Program committee evaluates and makes a review of Program submitted to Office of Higher Education Commission (OHEC) for quality assessment via online system.

Faculty of Tropical Medicine has established the Bangkok School of Tropical Medicine (BSTM) under the supervision of the Deputy Dean for Education and Deputy Dean for Student Affairs working together with the Director of the Programs to administer the Program management. There is also a Steering Committee of BSTM to make certain that the Programs of the Faculty of Tropical Medicine are complied with all regulations from every authority.

2. Graduates

For the process of quality improvement, the information on the success of the Program is also based on the success of the graduates in terms of employment rate, active life-long learning, working or further education in the field of school health.

The follow-up system, satisfaction system, etc. have been setup for gather the information to feed back for the improvement and revision of the Program.

3. Students

3.1 The enrolment process has been changed to improve the effectiveness of screening and recruitment More than 80% of students in the Program are international students from abroad, therefore the application and enrolment procedures are adapted to make the process as convenient as possible. Therefore, the online application system, online entrance examination, online interview processes are provided to make sure the accessibility for all prospective students. All students are required to pass English proficiency test according to the requirement of the Faculty of Graduate Studies.

3.2 Orientations: Program provides student handbook in a soft copy, a link to websites in which students can access anywhere anytime. However, the orientation has been given to all students at the beginning of the first and second semesters. These include detail of each course objectives, course learning outcomes, teaching and learning activities and student assessments.

3.3 Mentoring and advisory: Bangkok School of Tropical Medicine has appointed

Student Affairs Advisory Team consisted of lecturers and volunteers. This Advisory Team, different from the Thesis/Thematic Advisory Team, give personal advice to students in general aspects. Students can consult, report any problems, voice their opinions or give feedbacks via email to Academic Advisory team. The e-mail shall be checked and response regularly at daily basis; this can facilitate the response of any problem arisen during the study at the Program. Moreover, students can directly contact BSTM officer and director of the Program via e-mail.

3.4 Appeal Process: In case of any doubt or uncertainty in the marks or grades of the student assessments, students can directly contact advisors, supervisors, lecturers or Director of the Program. In case that student would like to appeal the marks or grades, there are several processes this can be done. Students can appeal via website http://www.tm.mahidol.ac.th/eng/dean.php, suggestion box, e-mail or submit the Appeal form to Director of the Program, Deputy Dean for Education, Dean of Faculty of Tropical Medicine, or Dean of Faculty of Graduate Studies.

4. Instructors

Almost instructors of the program are Ph.D. holders (or equivalent) and guest lecturer are experts in child health. The promotion of academic staff is merit-based following the standard process of Mahidol University. Individual academic staff can develop his/her career path according to the guidelines provided by Mahidol University.

5. Program, Study and Student Assessment

The curriculum and course syllabus were developed and designed base on the feedback from all stakeholders. The executive committees of the Program have the monthly meetings in order to evaluate and brainstorming for update, revision the content of each subject and teaching methods.

Student evaluation about course content, teaching and learning process, assessment methods and curriculum are performed regularly at the end of each course and semester. All of these activities and relevant systems aim to help students achieve objectives of the Program. Feedbacks from the national lecturers are collected once a year. The international experts send their feedbacks at the end of each course. Feedback from teaching staff and support staff is helpful in the process of the courses and curriculum development and improvement. The

feedbacks from staff members are collected regularly through Program- executive committee meetings.

The curriculum and Program is minor reviewed and update every year and the major revision of the Program occurs every 5 years.

6. Learning Support

- 6.1 Students must access to the online learning platform at Mahidol University Extension (MUx), provided by Mahidol University (www.mux.mahidol.ac.th). All study materials and communication among lecturers and students are provided at this site. Students can also track their learning performance (grade score) from this site. Course instructors and IT staff of the Department of Tropical Hygiene will be available to assist on the use of the online-learning platform.
- 6.2 Student can access to e-library of Mahidol University that provide free access to various electronic books and journals that can be used during the study. Distance students can access to the e-library by using Virtual Private Network (VPN). The instruction of VPN access will be provided to the students.
- 6.3 The Deputy Dean for Education and staff of BSTM can assist the students regarding to academic and non-academic problems.

7. Key Performance Indicators

Master of Science in School Health divides key performance indicators based on the curriculum that meets the standards of Thai Qualifications Framework following the conditions: (1) the compulsory performance indicators (number 1-5) must achieve at least two consecutive years and (2) the total number of performance indicators must reach their goals by not less than 80 percent. The key performance indicators are as follows:

Key Performance Indicators		Academic Year					
		2020	2021	2022	2023	2024	
1.	At least 80% of all person in charge of the curriculum	✓	✓	✓	✓	✓	
have to participate in meetings that set up plans to							
evaluate and revise the curriculum.							
2.	2. The program must have the details of the curriculum		√	✓	\checkmark	✓	
	according to TQF2 which is associated with the Thai						
	Qualifications Framework or the standards of the program						

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	Key Performance Indicators		Aca	ademic	Year	
		2020	2021	2022	2023	2024
3.	The program must have course specifications and field experience specifications according to TQF3 before the beginning of each semester	✓	✓	✓	✓	√
4.	Instructors must produce course reports and file experience reports according to TQF5 and within 30 days after the end of the semester.	✓	✓	√	√	√
5.	Instructors must produce program reports according to TQF7 within 60 days after the end of the academic year	√	√	√	✓	√
6.	Instructors must revise the grading of students according to learning standards indicated in TQF3 for at least 25 percent of courses that are offered each academic year.	√	√	✓	✓	<
7.	Instructors must assess the development and/or improvement of teaching methods, teaching techniques or the grading system from the evaluation results in TQF 7 of the previous year.		✓	✓	√	*
8.	Every new instructor has to participate in the orientation or receive adequate information on the Faculty's teaching requirements.	√	√	√	√	√
9.	Full-time instructors must demonstrate academic and/or profession improvement at least once a year.	√	√	√	√	✓
10	The number of supporting staff who demonstrate academic and/or professional improvement by at least 50 percent each year.	✓	✓	√	√	✓
11	The level of satisfaction from the previous year's students and new graduates toward curriculum quality, with an average score of at least 3.5 out of 5				√	√
12	The level of satisfaction from employers of new graduates with an average score of at least 3.5 out of 5					√

Section 8

Evaluation and Improvement of the Curriculum Implementation

1. Evaluation on the Teaching Efficiency

1.1 Evaluation of Teaching Strategies

- 1.1.1 Analysis of students' evaluation towards courses and instructors
- 1.1.2 Discussion among the faculty meeting to exchange ideas or comments

1.2 Evaluation of Instructors' Skills in Using Teaching Strategies

- 1.2.1 Analysis of students' evaluation towards courses and instructors
- 1.2.2 Evaluation from instructors themselves and faculty

2. Overall Evaluation of the Curriculum

- 2.1 Survey instructors' opinions toward students and vice versa
- 2.2 Survey on jobs of graduates
- 2.3 Curriculum evaluation from external expertise
- 2.4 Survey on employers' satisfaction with graduates

3. Evaluation of Curriculum Implementation in Accordance with the Curriculum

Evaluation is made annually by the program director and instructors according to the key performance indicators of section 7, item 7. The evaluation committee comprises of at least 3 persons:

- 1) Program Director, and
- 2) Program secretariat, and
- 3) External expert in School Health

The criteria of curriculum revision are

"Fair" means the program does not cover the first 10 Key Performance

Indicators,

"Good" means the program shows all first 10 Key Performance Indicators,

"Excellent" means the program has all Key Performance Indicators.

4. Review of the Evaluation and Plans for Improvement

- 4.1 Gathering all information, advices, and evaluations of the newly graduates, employers, alumni, and experts to feedback for improvement. Information includes satisfaction, needs and expectations of the stakeholders.
- 4.2 Review and analyze the above information by the faculty member in-charge of the program
- 4.3 Presenting the improvement plan for the program at the end of every academic year
- 4.4 Make a major revision and update of the whole program every 5 years

Appendix A Course Description

³⁹ TQF2

Appendix A Course Description

(1) Required Courses

Credits (Lecture-Lab-Self study)

TMSH 502 Diseases in School Children

3 (2-2-5)

วขอร ๕๐๒ โรคที่เกิดกับเด็กวัยเรียน

Etiology, mechanisms of diseases; symptoms, signs, courses, initial care and management; prevention and control of diseases in school children

สาเหตุ กลไกการเกิดโรค อาการ สิ่งตรวจพบ การดำเนินโรค การดูแลและการรักษาเบื้องต้น การป้องกันและการควบคุมโรคที่เกิดกับเด็กวัยเรียน

TMSH 503 School Environment Management

2 (2-0-4)

วขอร ๕๐๓ การจัดการสิ่งแวดล้อมโรงเรียน

The basic school environment; physical threats, chemical threats and biological threats; the school environment assessment; the school environment management; planning interventions for the health protection and health promotion in school children and school environments

สิ่งแวดล้อมโรงเรียนขั้นพื้นฐาน สิ่งคุกคามทางกายภาพ สิ่งคุกคามทางเคมี และสิ่งคุกคามทาง ชีวภาพ การประเมินสภาพแวดล้อมโรงเรียน การจัดการสิ่งแวดล้อมโรงเรียน การวางแผนให้ความคุ้มครอง สุขภาพและการส่งเสริมสุขภาพเด็กวัยเรียนและสิ่งแวดล้อมโรงเรียน

TMSH 504 School Health Development

2 (1-2-3)

วขอร ๕๐๔ การพัฒนาอนามัยโรงเรียน

The school health development in a conceptual framework; structured development plans; activities and operating school health; virtue and ethics of school health personnel; the health promotion in schools and in the communities; the supervision and evaluation of the work performance; school health research; the role of student leaders and health volunteers

การพัฒนาอนามัยโรงเรียน ด้านกรอบแนวคิด แผนพัฒนาโครงสร้าง กิจกรรม และ การดำเนินงานอนามัยโรงเรียน คุณธรรมและจริยธรรมของบุคลากรอนามัยโรงเรียน ความคิดสร้างสรรค์เพื่อการ ส่งเสริมสุขภาพในโรงเรียนและในชุมชน การนิเทศติดตามประเมินผลการดำเนินงาน การวิจัยอนามัยโรงเรียน บทบาทผู้นำนักเรียนและอาสาสมัครทางการอนามัย

Credits (Lecture-Lab-Self study)

TMSH 505 School Health Management

2 (0-4-2)

วขอร ๕๐๕ การจัดการอนามัยโรงเรียน

The school health management; policy and action plans; analyses of school situations and environment; the activity development; the school health program assessment; virtue and ethics of school health personnel; the field practice of students in the selected schools

การจัดการอนามัยโรงเรียน นโยบายและแผนการปฏิบัติ วิเคราะห์สถานการณ์และ สภาพแวดล้อมของโรงเรียน การพัฒนากิจกรรม การประเมินผลโครงการอนามัยโรงเรียน คุณธรรมและจริยธรรม ของบุคลากรอนามัยโรงเรียน การศึกษาดูงานของนักศึกษาในโรงเรียนที่ถูกเลือก

TMSH 512 Health Issues in Schools

3 (3-0-6)

วขอร ๕๑๒ ประเด็นสุขภาพในโรงเรียน

Health problems of school children; physical, mental, spiritual, and social aspects; planning for the school health development for child growth and good health; principle and concept of sustainable management in school

ปัญหาสุขภาพของเด็กในวัยเรียนด้านร่างกาย อารมณ์ จิตใจ และสังคม และการวางแผนเพื่อการ พัฒนางานด้านอนามัยโรงเรียน เพื่อการเจริญเติบโตและสุขภาพที่ดีของเด็ก หลักการและแนวคิดการพัฒนา โรงเรียนสู่ความยั่งยืน

สังคม และการวางแผนเพื่อการพัฒนางานด้านอนามัยโรงเรียน เพื่อการเจริญเติบโตและสุขภาพที่ดีของ เด็ก

TMSH 513 Nutrition Principles for School Children

2 (2-0-4)

วขอร ๕๑๓ หลักโภชนศาสตร์สำหรับเด็กวัยเรียน

The role and significance of food in human health and the way of life nutrient requirements for the growth and development in childhood; illness due to the imbalance of dietary intakes; undernutrition and overnutrition; the important roles of foods in the disease prevention

บทบาทและความสำคัญของอาหารต่อสุขภาพมนุษย์และการดำเนินชีวิต ความต้องการ สารอาหารเพื่อการเจริญเติบโตและพัฒนาการในวัยเด็ก ความเจ็บป่วยอันเนื่องมาจากความไม่สมดุลของการกิน อาหาร โรคโภชนาการขาด และโรคโภชนาการเกิน บทบาทสำคัญของอาหารของการป้องกันโรค

41 TOF2

Credits (Lecture-Lab-Self study)

TMSH 514 School Health Seminars

2 (2-0-4)

วขอร ๕๑๔ สัมมนาอนามัยโรงเรียน

Seminars on the school health policy; the environment, diseases concerning nutritions, school health plans and development

นโยบายอนามัยโรงเรียน สิ่งแวดล้อม โรคเกี่ยวกับภาวะโภชนาการ การวางแผนและพัฒนา อนามัยโรงเรียน

TMSH 515 Epidemiology and Biostatistics in School Health

2 (2-0-4)

วขอร ๕๑๕ วิทยาการระบาดและชีวสถิติทางอนามัยโรงเรียน

Epidemiology and basic statistical methods in school health; measurements in epidemiology; risk assessment and the level of association; the connection between the association and the reasonable conclusion; the research designs review; statistical methodology; data analyses and interpretations

ระบาดวิทยาและวิธีการทางสถิติในงานอนามัยโรงเรียน การวัดค่าต่างๆ ทางระบาดวิทยา การประเมินความเสี่ยงและระดับความสัมพันธ์ การเชื่อมโยงความสัมพันธ์ไปสู่การสรุปผลอย่างเป็นเหตุเป็นผล การทบทวนรูปแบบการวิจัย ระเบียบวิธีทางสถิติ และการวิเคราะห์และการแปลผล

TMID 544 Research Methodology

2 (2-0-4)

วขสว ๕๔๔ วิทยาระเบียบวิธีวิจัย

Formulation of rationale, research questions, objectives and research titles; study design; sample size calculation; data analysis; ethies issues in biomedical and social science research

หลักการและเหตุผล คำถามวิจัย วัตถุประสงค์ หัวข้อวิจัย การออกแบบงานวิจัย การคำนวณขนาดตัวอย่าง การวิเคราะห์ข้อมูล จริยธรรมการวิจัยทางวิทยาศาสตร์การแพทย์และสังคมศาสตร์

(2) Elective Courses

TMSH 511 Special Topics in School-Health Based Research

2 (2-0-4)

วขอร ๕๑๑ หัวข้อพิเศษการวิจัยบนพื้นฐานของอนามัยโรงเรียน

An integration of knowledges regarding concerning the school health-based research; critic appraisals of published articles; presenting independent data

บูรณาการหัวข้อความรู้ในหัวข้อที่เกี่ยวข้องกับการวิจัยด้านอนามัยโรงเรียน การประเมินบทความที่ ได้รับการตีพิมพ์ การนำเสนอข้อมูลที่เป็นอิสระ

Credits (Lecture-Lab-Self study)

TMSH 516 Food for School Children

2 (2-0-4)

วขอร ๕๑๖ อาหารสำหรับเด็กวัยเรียน

Food production; cultivation children and harvesting; livestocks; food preservations; food choices with proper nutrition; nutritional counselling according to food safety the nutrition principles, preparations of food for families and food in school

การผลิตอาหาร การเพาะปลูกและการเก็บเกี่ยว การเลี้ยงสัตว์เป็นอาหาร การถนอมอาหารไว้ให้ คงคุณค่า การเลือกกินอาหารให้ได้โภชนาการที่เหมาะสม การให้คำปรึกษาเกี่ยวกับอาหารปลอดภัย การจัดเตรียม อาหารเพื่อครอบครัวและอาหารในโรงเรียน

TMSH 517 Health Behaviors of School Children

2 (2-0-4)

วขอร ๕๑๗ พฤติกรรมสุขภาพของเด็กวัยเรียน

Health behaviors of children and disabled children; health risk behaviors; determinants of health; interpersonal and situational influences; behavioral outcome; health behavior at homes, schools, and communities; health behavior changes; good health targets, the quality of life, and children's good healthy

พฤติกรรมสุขภาพของเด็กและเด็กพิการ พฤติกรรมเสี่ยง ตัวกำหนดพฤติกรรมสุขภาพ อิทธิพล ความสัมพันธ์ระหว่างบุคคลและสถานการณ์ ผลลัพธ์ของพฤติกรรม สุขนิสัยที่บ้านโรงเรียนและชุมชน การ ปรับเปลี่ยนพฤติกรรมสุขภาพ เป้าหมายสุขภาพดี คุณภาพชีวิต และสุขภาวะที่ดีของเด็ก

TMSH 518 Instructional Media Design for School Health Promotions 2 (1-2-3) วขอร ๕๑๘ การออกแบบสื่อการเรียนการสอนเพื่อการส่งเสริมอนามัยโรงเรียน

Principles and approaches of instructional media design for health promotion in school; media and message design; essential technology for instructional media design; implementations, and evaluations; ethics of instructional media design

หลักการและวิธีการของออกแบบสื่อการเรียนการสอนเพื่อส่งเสริมสุขภาพในโรงเรียน สื่อและ การออกแบบการสื่อสาร เทคโนโลยีที่จำเป็นในการออกแบบสื่อการเรียนการสอน การนำสื่อการสอนไปใช้และการ ประเมินผลจรรยาบรรณของการออกแบบสื่อการเรียนการสอน

43 TOF2

Credits (Lecture-Lab-Self study)

TMSE 524 Principles of Environmental Health and Toxicology

2 (2-0-4)

วขวส ๕๒๔ หลักการทางสุขภาพสิ่งแวดล้อมและพิษวิทยา

Environmental health and toxicology; the human-environment relationship; sources and types of environmental pollutants; fate and transport of environmental pollutants in the environment; toxoicokinetics and metabolism; adverse effects on human health and the environment; environmental management approach and the overview of relevant laws and regulations

สุขภาพสิ่งแวดล้อมและพิษวิทยา ความสัมพันธ์ของมนุษย์กับสิ่งแวดล้อม แหล่งกำเนิดและชนิด ของมลพิษในสิ่งแวดล้อม วิถีและการเคลื่อนย้ายของสารมลพิษในสิ่งแวดล้อม จลนพลศาสตร์และเมตาบอลิสมของ สารพิษในร่างกาย ผลกระทบต่อสุขภาพของมนุษย์และสิ่งแวดล้อม แนวทางในการจัดการสิ่งแวดล้อม และ ภาพรวมของกฎหมาย ข้อบังคับที่เกี่ยวข้อง

TMSE 528 Environmental Management

2 (2-0-4)

วขวส ๕๒๘ การจัดการสิ่งแวดล้อม

Principles of environmental management covering air, water, hazardous substances, solid and hazardous wastes, vectors and tropical pathogens; environmental management policy and planning; disaster management, techniques and methods in environmental management; Sustainable development and environmental management, environmental laws and standards, Environmental monitoring process; health, safety, and accident management.

หลักการจัดการสิ่งแวดล้อม ครอบคลุมถึง คุณภาพอากาศ น้ำ สารอันตราย ขยะอันตรายและมูล ฝอย พาหะนำโรคและเชื้อโรคในเขตร้อน นโยบายและการวางแผนด้านสิ่งแวดล้อม การจัดการภัยพิบัติเทคนิค และเทคนิค วิธีการในการจัดการสิ่งแวดล้อมเพื่อการพัฒนาอย่างยั่งยืนและการจัดการสิ่งแวดล้อม กฎหมายและ มาตรฐานด้านสิ่งแวดล้อมกระบวนการตรวจสอบด้านสิ่งแวดล้อม สุขภาพ ความปลอดภัยและการจัดการอุบัติเหตุ

TMHG 549 Application of Geographical Information System (GiS)

in Epidemiology

2(1-2-3)

วขสข ๕๔๙ การประยุกต์ระบบสารสนเทศภูมิศาสตร์ในวิทยาการระบาด

Disease mapping of diseases; Geographical Information System (GIS); Remote Sensing (RS); Global Positioning System (GPS)

การจัดทำแผนที่แสดงการกระจายของโรค ระบบสารสนเทศภูมิศาสตร์ การรับรู้จากระยะไกล ระบบกำหนดตำแหน่งทั่วโรค

Credits (Lecture-Lab-Self study)

TMCD 519 AIDS

2(2-0-4)

วขอข ๕๑๙ โรคเอดส์

AIDS epidemiology, virology, immunopathogenesis, host immune response to HIV virus, diagnosis, clinical manifestations, treatment, prophylaxis and prevention especially AIDS vaccines together with the comprehensive information about psychosocial impacts and HIV counseling leading to holistic cares of HIV- infected patients

วิทยาการระบาดของโรคเอดส์ไวรัสวิทยา พยาธิกำเนิดของโรคทางด้านระบบภูมิคุ้มกัน การตอบสนองของร่างกายต่อเชื้อไวรัสเอชไอวีการวินิจฉัยโรค อาการแสดงทางคลินิก การรักษา การป้องกัน และ วัคซีนโรคเอดส์ข้อมูลในเชิงกว้างเกี่ยวกับผลกระทบทางจิตใจและสังคมต่อ ผู้ติดเชื้อ การให้คำปรึกษากับผู้ติดเชื้อ เอชไอวีเพื่อนำไปสู่การดูแลผู้ติดเชื้อในคลินิกโรคเอดส์แบบองค์รวม

TMNU 506 Nutrition

2 (2-0-4)

วขภข ๕๐๖ โภชนศาสตร์

Digestion, absorption and transport of macronutrients and micronutrients. Methodologies for nutritional assessment, nutritional status in various age ranges. The relationship between nutrition and diseases as well as nutritional problems in Thailand and South-East Asia region. Nutrition intervention and nutrition education

กระบวนการย่อยอาหาร การดูดซึม และการลำเลียงสารอาหารหลักที่ร่างกายต้องการในปริมาณ มาก และสารอาหารที่ร่างกายต้องการในปริมาณน้อย การประเมินภาวะโภชนาการ ภาวะโภชนาการในทุกกลุ่ม อายุ ความสัมพันธ์ระหว่างภาวะโภชนาการกับการเกิดโรคต่างๆ ปัญหาทางโภชนาการในประเทศไทยและภูมิภาค เอเชียตะวันออกเฉียงใต้ การส่งเสริมและปรับปรุงภาวะโภชนาการ รวมถึงการให้ความรู้ด้านโภชนาการ

(3) Thesis

TMSH 698 Thesis

12 (0-36-0)

วขอร ๖๙๘ วิทยานิพนธ์

Identifying research proposals; conducting research research ethics; data, analysies, interpretating results and reporting results in terms of thesis; presenting and publishing research in standardized journals or- conferences proceedings

การกำหนดโครงการวิจัย การเสนอเค้าโครงวิจัย จริยธรรมการวิจัย การคัดกรองข้อมูล การวิเคราะห์ข้อมูล การสังเคราะห์และวิพากษ์ผลการวิจัย การนำผลการวิจัยมาเรียบเรียงเป็นวิทยานิพนธ์ การนำเสนอวิทยานิพนธ์ การเรียบเรียงผลงานวิจัยเพื่อเผยแพร่ การเผยแพร่ผลงานวิจัยในวารสารหรือสิ่งพิมพ์ทาง วิชาการที่มีมาตรฐาน หรือเสนอต่อที่ประชุมวิชาการ

(4) Thematic Paper

Credits (Lecture-Lab-Self study)

TMSH 697 Thematic Paper

6 (0-18-0)

วขอร ๖๙๗ สารนิพนธ์

Identifying questions in school health; searching knowledge to solve the problems by conducting research, presenting or publishing results

การกำหนดปัญหาทางด้านอนามัยโรงเรียน การหาความรู้เพื่อตอบปัญหาโดยการวิจัย การนำเสนอผลที่ได้

Appendix B

Curriculum Vitae of the Faculty in Charge of the Program

APPENDIX B

Curriculum Vitae of the Faculty instructors

Curriculum Vitae of the full time instructors of the curriculum

Name: Professor Dr. Rungsunn Tungtrongchitr
 Education

Degree	Degree Name	Institute	Year
Ph.D.	Tropical Medicine	Mahidol University	1988
M.Sc.	Tropical Medicine	Mahidol University	1981
B.Sc.	Medical Technology	Mahidol University	1978

Affiliation: Department of Tropical Nutrition and Food Science, Faculty of Tropical Medicine, Mahidol University

Interested research/ expertise

Biochemical Nutrition, Molecular Nutrition, Nutrigenomics

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1.Karuwanarint P, Phonrat B,	12/1	2018
	Tungtrongchitr A, Schweigert FJ,		
	Tungtrongchitr R. Vitamin D-binding		
	protein and its polymorphisms as a		
	predictor for metabolic syndrome.		
	Biomark Med. 2018;12(5):465-73.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Karuwanarint P, Phonrat B,	12/1	2018
	Tungtrongchitr A, Suriyaprom K,		
	Tungtrongchitr R. Genetic variations of		
	vitamin D receptor gene in metabolic		
	syndrome and related diseases in the		
	Thai population. Asia Pacific J Clin Nutr.		
	2018;27(4):935-44.		
Journal articles	3. Santiprabhob J, Limprayoon K,	12/1	2018
	Aanpreung P, Charoensakdi R,		
	Kalpravidh RW, Phonrat B,		
	Tungtrongchitr R. The impact of group-		
	based treatment program on insulin		
	resistance, adipocytokines, oxidative		
	stress and imflammatory cytokines in		
	obese children and adolescents. J		
	Pediatr Endocrinol Metab.		
	2018;31(7):733-42.		
Journal articles	4. Chuaychoo B, Tungtrongchitr R ,	12/1	2018
	Kriengsinyos W, Tuntipopipat S, On-Nom		
	N, Chupeerach C. Correlation of vitamin		
	D binding protein gene polymorphism		
	and protein levels in COPD compared		
	to non-COPD subjects. Pers Med. 2018;		
	doi:10.2217/pme-2018-0005.		
Journal articles	5. Mosikanon K, Arthan D, Kettawan A,	12/1	2017
	Tungtrongchitr R, Prangthip P. Yeast β –		
	glucan modulates inflammation and		
	waist circumference in overweight and		
	obese subjects. J Diet Suppl.		
	2017;14(2):173-85.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	6. Kitjaroentham A, Hananantachai H,	12/1	2016
	Phonrat B, Preutthipan S,		
	Tungtrongchitr R. Low density		
	lipoprotein receptor-related protein 5		
	gene polymorphisms and osteoporosis		
	in Thai menopausal women. J Negat		
	Results BioMed. 2016;15:16		
Journal articles	7. Chaikhiandee S, Phonrat B,	12/1	2016
	Tungtrongchitr A, Suriyaprom K,		
	Chuengsamarn S, Uttamachai C,		
	Tungtrongchitr R. Adipoq gene		
	polymorphisms in thais with pre-		
	diabetes. Southeast Asean J Trop Med		
	Public Health. 2016;47:1311-9.		

Current Teaching Load

TMSH	505	School Health Management	2 (0-4-2)
TMSH	506	Nutrition Principles for School Children	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	3 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

2. Name: Associate Professor Dr. Aongart Mahittikorn Education

Degree	Degree name	Institute	Year
Ph.D.	Tropical Medicine	Mahidol University	2009
B.Sc.	Public Health	Mahidol University	2003

Affiliation: Department of Protozoology, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Toxoplasmosis

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Pintong AR, Sunyanusin S,	12/1	2018
	Prasertbun R, Mahittikorn A , Mori H,		
	Changbunjong T,et al. <i>Blastocystis</i>		
	subtype 5: Predominant subtype on		
	pig farms, Thailand. <u>Parasitol</u>		
	<u>Int.</u> 2018; 67 (6): 824-8.		
Journal articles	2.Udonsom R, Prasertbun R,	12/1	2018
	Mahittikorn A, Mori H,		
	Changbunjong T, Komalamisra C, et		
	al . <i>Blastocystis</i> infection and subtype		
	distribution in humans, cattle, goats,		
	and pigs in central and western		
	Thailand. Infect Genet Evol. 2018;		
	65:107-1		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	3. McLennan MR, Mori H,	12/1	2018
	Mahittikorn A, Prasertbun R,		
	Hagiwara K, Huffman MA. Zoonotic		
	Enterobacterial Pathogens Detected		
	in Wild Chimpanzees. Ecohealth.		
	2018; 15(1): 143-7.		
Journal articles	4. Mahittikorn A,	12/1	2017
	Thammasonthijarern N,		
	Roobthaisong A, Udonsom R, Popruk		
	S, Siri S, et al. Development of a		
	loop-mediated isothermal		
	amplification technique and		
	comparison with quantitative real-		
	time PCR for the rapid visual		
	detection of canine neosporosis.		
	Parasit Vectors. 2017; 10(1): 394.		
Journal articles	5. Prasertbun R, Mori H, Pintong AR,	12/1	2017
	Sanyanusin S, Popruk S, Komalamisra		
	C, Changbunjong T, Buddhirongawatr		
	R, Sukthana Y, Mahittikorn A .		
	Zoonotic potential of		
	Enterocytozoon genotypes in		
	humans and pigs in Thailand. Vet		
	Parasitol. 2017; 233: 73-9.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	6. Mahittikorn A , Kittichathanakul T,	12/1	2017
	To-Im J, Nacapunchai D. Knowledge,		
	Behavior, and Free-Living Amoebae		
	Contamination of Cosmetic Contact		
	Lens Among University Wearers in		
	Thailand: A Cross-Sectional Study.		
	Eye Contact Lens. 2017; 43(2): 81-8.		
Journal articles	7. Palasuwan A, Palasuwan D,	12/1	2016
	Mahittikorn A, Chiabchalard R,		
	Combes V, Popruk S. Subtype		
	Distribution of <i>Blastocystis</i> in		
	Communities along the Chao Phraya		
	River, Thailand. Korean J Parasitol.		
	2016; 54(4): 455-60.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

3. Name: Associate Professor Chukiat Sirivichayakul Education

Degree	Degree name	Insitiute	Year
Dliploma Thai Board	Pediatrics	Thai Medical Council	1991
D.T.M. & H.	Tropical Medicine	Mahidol University	1997
	and Hygiene		
M.D.	-	Chulalongkorn University	1985

Affiliation: Department of Tropical Pediatric, Faculty of Tropical Medicine, Mahidol

University

Interested research/ expertise

Pediatric infectious disease, Vaccine research

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Potiwat R, Tanyaratsrisakul S,	12/1	2018
	Maneewatchararangsri S, Manuyakorn		
	W, Rerkpattanapipat T, Samung Y,		
	Sirivichayakul C, et al. Solenopsis		
	geminata (tropical fire ant)		
	anaphylaxis among Thai patients: its		
	allergens and specific IgE-reactivity.		
	Asian Pac J Allergy Immunol. 2018		
	Jun;36 (2): 101 - 8.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Yamagishi J, Runtuwene LR,	12/1	2017
	Hayashida K, Mongan AE, Thi LAN,		
	Thuy LN, Nhat CN, Limkittikul K,		
	Sirivichayakul C, et al. Serotyping		
	dengue virus with isothermal		
	amplification and a portable		
	sequencer. Sci Rep. 2017;7(1):3510.		
Journal articles	3. Chatchen S, Sabchareon A,	12/1	2017
	Sirivichayakul C. Serodiagnosis of		
	asymptomatic dengue infection. Asian		
	Pac J Trop Med 2017;10(1):11-4.		
Journal articles	4.Chokephaibulkit K, Sirivichayakul	12/1	2016
	C, Thisyakorn U, Pancharoen C, Boaz		
	M, Bouckenooghe A, et al. Long-term		
	follow-up of Japanese encephalitis		
	chimeric virus vaccine: Immune		
	responses in children. Vaccine. 2016;		
	34(46): 5664-9.		
Journal articles	5.Plennevaux E, Sabchareon A,	12/1	2016
	Limkittikul K, Chanthavanich P,		
	Sirivichayakul C, Moureau A, Boaz M,		
	Wartel TA, Saville M, Bouckenooghe A.		
	Detection of dengue cases by		
	serological testing in a dengue vaccine		
	efficacy trial: Utility for efficacy		
	evaluation and impact of future		
	vaccine introduction. Vaccine. 2016;		
	34(24): 2707-12.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	6. Sirivichayakul C, Barranco-	12/1	2016
	Santana EA, Esquilin-Rivera I, Oh HM,		
	Raanan M, Sariol CA, et al. Safety		
	and Immunogenicity of a Tetravalent		
	Dengue Vaccine Candidate in		
	Healthy Children and Adults in		
	Dengue-Endemic Regions: A		
	Randomized, Placebo-Controlled		
	Phase 2 Study. J Infect Dis. 2016;		
	213(10): 1562-72.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

4. Name: Associate Professor Dr. Direk Limmathurotsakul

Education

Degree	Degree Name	Institute	Year
Ph.D.	Life and Biomolecular	The Open University, UK.	2009
	Science		
M.Sc.	Medical Statistics	London School of Hygiene and	2008
		Tropical Medicine, UK.	
M.D.	-	Chulalongkorn University	2000

Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. Tropical infectious disease, including melioidosis, leptospirosis and ricketsiosis
- 2. Statistics, research methodology and epidemiology
- 3. Bayesian data analysis, and evaluating diagnostic tests with an imperfect gold standard

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Greer RC, Wangrangsimakul T,	12/1	2019
	Amornchai P, Wuthiekanun V,		
	Laongnualpanich A, Dance DAB,		
	Limmathurotsakul D.		
	Misidentification of Burkholderia		
	pseudomallei as Acinetobacter		
	species in northern Thailand. Trans R		
	Soc Trop Med Hyg. 2019;113(1):48-51.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Chaichana P, Jenjaroen K,	12/1	2018
	Amornchai P, Chumseng S, Langla S,		
	Rongkard P, Sumonwiriya M,		
	Jeeyapant A, Chantratita N,		
	Teparrukkul P, Limmathurotsakul D,		
	et al. Antibodies in melioidosis: the		
	role of the indirect hemagglutination		
	assay in evaluating patients and		
	exposed populations. Am J Trop Med		
	Hyg. 2018; 99(6): 1378-85		
Journal articles	3. Dance DA, Limmathurotsakul D .	12/1	2018
	Global burden and challenges of		
	melioidosis. Trop Med Infect Dis.		
	2018; 3(1). pii: E13.		
Journal articles	4. Hantrakun V, Somayaji R,	12/1	2018
	Teparrukkul P, Boonsri C, Rudd K,		
	Day NPJ, West TE,		
	Limmathurotsakul D. Clinical		
	epidemiology and outcomes of		
	community acquiredinfection and		
	sepsis among hospitalized patients in		
	a resource limited setting in		
	Northeast Thailand: A prospective		
	observational study (Ubon-sepsis).		
	PLoS One. 2018; 13(9): e0204509.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	5. Rudd KE, Kissoon N,	12/1	2018
	Limmathurotsakul D, Bory S,		
	Mutahunga B, Seymour CW, et al.		
	The global burden of sepsis: barriers		
	and potential solutions. Crit Care.		
	2018; 22(1): 232.		
Journal articles	6. Wongsuvan G, Hantrakun V,	12/1	2018
	Teparrukkul P, Imwong M, West TE,		
	Wuthiekanun V, Day NPJ, AuCoin D,		
	Limmathurotsakul D . Sensitivity		
	and specificity of a lateral flow		
	immunoassay (LFI) in serum samples		
	for diagnosis of melioidosis. Trans R		
	Soc Trop Med Hyg. 2018; 112(12):		
	568-70.		
Journal articles	7. Suntornsut P, Chaowagul W,	12/1	2018
	Thongklang W, Phosri T, Day NPJ,		
	Michie S, Limmathurotsakul D .		
	Feasibility and initial outcomes of a		
	multifaceted prevention Program of		
	melioidosis in diabetic patients in		
	Ubon Ratchathani, northeast		
	Thailand. PLoS Negl Trop Dis. 2018;		
	12(9): e0006765.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	8. Fukuda K, Limmathurotsakul D ,	12/1	2018
	Okeke IN, Shetty N, van Doorn R,		
	Feasey NA, et al. Surveillance and		
	Epidemiology of Drug Resistant		
	Infections Consortium (SEDRIC):		
	Supporting the transition from		
	strategy to action. Wellcome Open		
	Res. 2018; 3: 59.		
Journal articles	9. Phokrai P, Karoonboonyanan W,	12/1	2018
	Thanapattarapairoj N, Promkong C,		
	Dulsuk A, Koosakulnirand S, Canovali		
	S, Indrawattana N, Jutrakul Y,		
	Wuthiekanun V, Limmathurotsakul		
	D, et al. Rapid		
	Immunochromatography Test Based		
	on Hcp1 Is a Potential Point-of-Care		
	Test for Serological Diagnosis of		
	Melioidosis. J Clin Microbiol. 2018;		
	56(8). pii: e00346-18.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	10. Rudd KE, Seymour CW, Aluisio	12/1	2018
	AR, Augustin ME, Bagenda DS, Beane		
	A, Byiringiro JC, Chang CH, Colas LN,		
	Day NPJ, De Silva AP, Dondorp AM,		
	Dünser MW, Faiz MA, Grant DS,		
	Haniffa R, Van Hao N, Kennedy JN,		
	Levine AC, Limmathurotsakul D , et		
	al. Association of the quick		
	sequential (Sepsis-Related) organ		
	failure assessment (qSOFA) score		
	with excess hospital mortality in		
	adults with suspected infection in		
	low- and middle-income countries.		
	JAMA. 2018; 319(21): 2202-11.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	11. Hinjoy S, Hantrakun V, Kongyu S,	12/1	2018
	Kaewrakmuk J, Wangrangsimakul T,		
	Jitsuronk S, Saengchun W, Bhengsri		
	S, Akarachotpong T, Thamthitiwat S,		
	Sangwichian O, Anunnatsiri S,		
	Sermswan RW, Lertmemongkolchai		
	G, Tharinjaroen CS, Preechasuth K,		
	Udpaun R, Chuensombut P,		
	Waranyasirikul N, Anudit C,		
	Narenpitak S, Jutrakul Y, Teparrukkul		
	P, Teerawattanasook N, Thanvisej K,		
	Suphan A, Sukbut P, Ploddi K,		
	Sirichotirat P, Chiewchanyon B,		
	Rukseree K, Hongsuwan M,		
	Wongsuwan G, Sunthornsut P,		
	Wuthiekanun V, Sachaphimukh S,		
	Wannapinij P, Chierakul W,		
	Chewapreecha C, Thaipadungpanit J,		
	Chantratita N, Korbsrisate S, Taunyok		
	A, Dunachie S, Palittapongarnpim P,		
	Sirisinha S, Kitphati R, lamsirithaworn		
	S, Chaowagul W, Chetchotisak P,		
	Whistler T, Wongratanacheewin S,		
	Limmathurotsakul D. Melioidosis in		
	Thailand: Present and Future. Trop		
	Med Infect Dis. 2018; 3(2): 38.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	12. Dance DAB, Sarovich D, Price EP,	12/1	2018
	Limmathurotsakul D , Currie BJ.		
	Human Infection with Burkholderia		
	thailandensis, China, 2013. Emerg		
	Infect Dis. 2018;24(5): 953-4.		
Journal articles	13. Haenssgen MJ, Charoenboon N,	12/1	2018
	Zanello G, Mayxay M, Reed-Tsochas		
	F, Jones COH, Kosaikanont R,		
	Praphattong P, Manohan P, Lubell Y,		
	Newton PN, Keomany S, Wertheim		
	HFL, Lienert J, Xayavong T,		
	Warapikuptanun P, Khine Zaw Y, U-		
	Thong P, Benjaroon P,		
	Sangkham N, Wibunjak K, Chai-In P,		
	Chailert S, Thavethanutthanawin P,		
	Promsutt K, Thepkhamkong A,		
	Sithongdeng N, Keovilayvanh M,		
	Khamsoukthavong N,		
	Phanthasomchit P, Phanthavong C,		
	Boualaiseng S, Vongsavang S, Greer		
	RC, Althaus T, Nedsuwan S,		
	Intralawan D, Wangrangsimakul T,		
	Limmathurotsakul D, et al.		
	Antibiotics and activity spaces:		
	protocol of an exploratory study of		
	behaviour, marginalisation and		
	knowledge diffusion. BMJ Glob		
	Health. 2018; 3(2): e000621.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	14. Gouliouris T, Warne B, Cartwright	12/1	2018
	EJP, Bedford L, Weerasuriya CK,		
	Raven KE, Brown NM, Török ME,		
	Limmathurotsakul D , et al. Duration		
	of exposure to multiple antibiotics is		
	associated with increased risk of VRE		
	bacteraemia: a nested case-control		
	study. J Antimicrob Chemother.		
	2018; 73(6): 1692-9.		
Journal articles	15. Sengyee S, Yoon SH, Paksanont	12/1	2018
	S, Yimthin T, Wuthiekanun V,		
	Limmathurotsakul D, et al.		
	Comprehensive analysis of clinical		
	Burkholderia pseudomallei isolates		
	demonstrates conservation of		
	unique lipid A structure and TLR4-		
	dependent innate immune		
	activation. PLoS Negl Trop Dis. 2018;		
	12(2): e0006287.		
Journal articles	16. Lie KC, Lau CY, Van Vinh Chau N,	12/1	2018
	West TE, Limmathurotsakul D.		
	Utility of SOFA score, management		
	and outcomes of sepsis in Southeast		
	Asia: a multinational multicenter		
	prospective observational study. J		
	Intensive Care. 2018; 6: 9.		

Publication	Publication Name	Academic performance	Years
types		standard criteria/Weight	
Journal articles	17. Wongsuvan G, Wuthiekanun V,	12/1	2018
	Hinjoy S, Day NP, Limmathurotsakul		
	D. Antibiotic use in poultry: a survey		
	of eight farms in Thailand. Bull World		
	Health Organ. 2018; 96(2): 94-100.		
Journal articles	18. Wiersinga WJ, Virk HS, Torres AG,	12/1	2018
	Currie BJ, Peacock SJ, Dance DAB,		
	Limmathurotsakul D . Melioidosis.		
	Nat Rev Dis Primers. 2018; 4: 17107.		
Journal articles	19. Hantrakun V, Thaipadungpanit J,	12/1	2018
	Rongkard P, Srilohasin P, Amornchai P,		
	Langla S, Mukaka M, Chantratita N,		
	Wuthiekanun V, Dance DAB, Day NPJ,		
	Peacock SJ, Limmathurotsakul D .		
	Presence of <i>B. thailandensis and B.</i>		
	thailandensis expressing B.		
	pseudomallei-like capsular		
	polysaccharide in Thailand, and their		
	associations with serological		
	response to <i>B. pseudomallei</i> . PLoS		
	Negl Trop Dis. 2018; 12(1): e0006193.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	20. Ong CEL, Wongsuvan G, Chew	12/1	2017
	JSW, Kim TY, Teng LH, Amornchai P,		
	Wuthiekanun V, Day NPJ, Peacock SJ,		
	Cheng TY, Yap EPH,		
	Limmathurotsakul D . Presence of		
	Burkholderia pseudomallei in Soil		
	and Paddy Rice Water in a Rice Field		
	in Northeast Thailand, but Not in Air		
	and Rainwater. Am J Trop Med Hyg.		
	2017; 97(6):1702-5.		

Current Teaching Load

TMID	513	Biostatistics	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

5. Name: Associate Professor Dr. Dorn Watthanakulpanich Education

Degree	Degree Name	Insitiute	Year
Ph.D.	Biomolecular	Liverpool John Moores	2009
	Sciences	University, UK	
M.D.	-	Mahidol University	2002
M.Sc.	Tropical Medicine	Mahidol University	1995
B.Sc.	Medical Technology	Chiangmai University	1988

Affiliation: Department of Helminthology, Faculty of Tropical Medicine, Mahidol University

Interested research/ expertise Prevalence of helminths, Clinical manifestations, Drug trials of helminthic infections

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1.Pothong K, Komalamisra C,	12/1	2018
	Kalambaheti T, Watthanakulpanich		
	D, Yoshino TP, Dekumyoy P. ELISA		
	based on a recombinant		
	Paragonimus heterotremus protein		
	for serodiagnosis of human		
	paragonimiasis in Thailand. Parasit		
	Vectors. 2018; 11: 322.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2.Phuphisut O, Ajawatanawong P,	12/1	2018
	Limpanont Y, Reamtong O,		
	Nuamtanong S, Ampawong		
	S, Chaimon S, Dekumyoy P,		
	Watthanakulpanich D , Swierczewski		
	BE, Adisakwattana P.		
	Transcriptomic analysis of male and		
	female <i>Schistosoma mekongi</i> adult		
	worms. Parasit Vectors. 2018 Sep		
	10;11(1):504.		
Journal articles	3 Mengying Z, Yiyue X, Tong P, Yue	12/1	2017
	H, Limpanont Y, Ping H, Okanurak K,		
	Yangi W, Dekumyoy P, Hongli Z,		
	Watthanakulpanich D, Zhongdao W,		
	Zhi W, Zhiyue L. Apoptosis and		
	necroptosis of mouse hippocampal		
	and parenchymal astrocytes,		
	microglia and neurons caused by		
	Angiostrongylus cantonensis		
	infection. Parasit Vec. 2017; 10: 611.		
Journal articles	4 Shama C, Piyaphanee W,	12/1	2017
	Watthanakulpanich D. Case report:		
	Clinical features of intermittent		
	migratory swelling caused by		
	gnathostomiasis with complete		
	follow-up. Am J Trop Med Hyg. 2017;		
	97:1611-15.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	5. Sitcharungsil R, Watthanakulpanich	12/1	2017
	D. <i>Taenia Saginata</i> infection in a 14-		
	month-old toddler. Southeast Asian		
	J Trop Med Public Health. 2016		
	May;47(3):394-8.		

Current Teaching Load

TMSH	501	Health Issues in School	3 (3-0-6)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	512	Health Issues in Schools	3 (3-0-6)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	518	Instructional Media Design for School Health Promotions	2 (1-2-3)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

6. Name: Associate Professor Dr. Karunee Kwanbunjan

Education

Degree	Degree Name	Institute	Year
Dr. oec. troph.	Nutrition and Food	Justus Liebig University,	1996
	Sciences	Germany	
M.Sc.	Tropical Medicine	Mahidol University	1984
B.Sc.	Biology	Kasetsart University	1981

Affiliation: Department of Tropical Nutrition and Food Science, Faculty of Tropical Medicine, Mahidol University

Interested research/ expertise

Epidemiological and biochemical nutrition, Food safety

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Kwanbunjan K , Panprathip P,	12/1	2018
	Phosat C, Chumpathat N,		
	Wechjakwen N, Puduang S, et al.		
	Association of retinol binding protein		
	4 and transthyretin with triglyceride		
	levels and insulin resistance in rural		
	thais with high type 2 diabetes risk.		
	BMC Endocr Disord. 2018; 18: 26.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Phosat C, Panprathip P,	12/1	2017
	Chumpathat N, Prangthip P,		
	Chantratita N, Soonthornworasiri N,		
	Puduang S, Kwanbunjan K . Elevated		
	C-reactive protein, interleukin 6,		
	tumor necrosis factor alpha and		
	glycemic load associated with type 2		
	diabetes mellitus in rural Thais: a		
	cross-sectional study. BMC Endocr		
	Disord. 2017; 17: 44.		
Journal articles	3. Chumpathat N, Rangsin R,	12/1	2016
	Changbumrung S, Soonthornworasiri		
	N, Durongritichai V, Kwanbunjan K .		
	Use of knee height for the		
	estimation of body height in Thai		
	adult women. Asia Pac J Clin Nutr.		
	2016; 25(3): 444-51.		
Journal articles	4. Khuntamoon T, Thepouyporn A,	12/1	2016
	Kaewprasert S, Prangthip P,		
	Pooudoung S, Chaisri U, Maneesai P,		
	Kwanbunjan K. Thai generic-brand		
	dry canine foods: mutagenicity and		
	the effects of feeding in vivo and in		
	vitro. BMC Vet Res. 2016; 20: 17.		

Current Teaching Load

TMSH	506	Nutrition Principles for School Children	2 (2-0-4)
TMSH	507	Health Food for School Children	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	513	Nutrition Principles for School Children	2 (2-0-4)
TMSH	516	Food for School Children	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

7. Name: Associate Professor Dr. Kraichat Tantrakarnapa Education

Degree	Degree Name	Institute	Year
Ph.D.	Environmental Engineering	Suranaree University of	2003
		Technology	
M.Sc.	Technology of Environmental Management	Mahidol University	1990
B.S.	Statistics	Chiangmai University	1985

Affiliation: Department of Social and Environmental Medicine, Faculty of Tropical

Medicine, Mahidol University

Interested research/ expertise

Environmental Health Impact Assessment, Environmental Management System, Environmental Health

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Tantrakarnapa K , Butrranfsri A,	12/1	2018
	Silapanunthakul S, Silwan T,		
	Kliengchuay W, Sillaparassamee R.		
	GREEN Community; case study of		
	community nearby industrial sector		
	of Rayong province. Social Science		
	Asia J.2018;4:66-76.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Kliengchuay W, Cooper Meeyai A,	12/1	2018
	Worakhunpiset S, Tantrakarnapa K .		
	Relationships between		
	Meteorological parameters and		
	particulate matter in Mae Hong Son		
	province, Thailand. Int J Environ Res		
	Public Health. 2018 Dec 10;15(12).		
	pii: E2801.		
Journal articles	3. Ruchiraset A, Tantrakarnapa K .	12/1	2018
	Time series modeling of pneumonia		
	admissions and its association with		
	air pollution and climate variables in		
	Chiang Mai province, Thailand.		
	Environ Sci Pollut Res		
	Int. 2018;25(33):33277-85.		
Journal articles	4. Intarakul J, Tantrakarnapa K ,	12/1	2018
	Chartpitak P, Inbamrung P, Pradit P,		
	Nanan E. Health impact assessment		
	for local authority staff from		
	chemical exposure: case study of		
	DHF host management at Office of		
	Disease Prevention and Control		
	Region 4, Ratchaburi. Dis Cont J		
	2018 Jan-Mar;44(1): 77-91		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	5. Sahanavin N, Prueksasit T,	12/1	2018
	Tantrakarnapa K . Relationship		
	between PM(10) and PM(2.5) levels		
	in high-traffic area determined using		
	path analysis and linear regression. J		
	Environ Sci (China). 2018; 69: 105-14.		
Journal articles	6. Tosepu R, Tantrakarnapa K ,	12/1	2018
	Nakhapakorn K, Worakhunpiset S.		
	Climate variability and dengue		
	hemorrhagic fever in Southeast		
	Sulawesi Province, Indonesia.		
	Environ Sci Pollut Res Int. 2018;		
	25(15): 14944-52.		
Journal articles	7. Tosepu R, Tantrakarnapa K ,	12/1	2018
	Worakhunpiset S, Nakhapakorn K.		
	Climatic Factors Influencing Dengue		
	Hemorrhagic Fever in Kolaka District,		
	Indonesia. Environ Nat Resour J.		
	2018; 16(2): 1-10		
Journal articles	8. Sudsandee S, Tantrakarnapa K ,	12/1	2017
	Tharnpoophasiam P, Limpanont Y,		
	Mingkhwan R, Worakhunpiset S.		
	Evaluating health risks posed by		
	heavy metals to humans consuming		
	blood cockles (Anadara granosa)		
	from the Upper Gulf of Thailand.		
	Environ Sci Pollut Res Int. 2017;		
	24(17): 14605-15.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	9. Silapanuntakul S, Intrarasaksit P,	12/1	2017
	Vatanasomboon P, Tantrakarnapa		
	K. Uptake of copper and zinc in		
	lettuce (<i>Lactuca sativa</i> L.) planted		
	in sida soil and Ignite bottom aAsh		
	mixtures. NUJST. 2017; (25)3:31-42.		
Journal articles	10. Sahanavin N, Tantrakarnapa K ,	12/1	2016
	Prueksasit T. Ambient and PM		
	concentrations at different high		
	traffic-related street configurations		
	In Bangkok, Thailand. Southeast		
	Asian J Trop Med Public Health.		
	2016; 47(3): 528-35.		

Current Teaching Load

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	524	Fundamentals of Environmental Health and Toxicology	2 (2-0-4)
TMSH	528	Environmental Management	2 (2-0-4)
TMSE	529	Principle of Environmental Biotechnology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	524	Principles of Environmental Health and Toxicology	2 (2-0-4)
TMSH	528	Environmental Management	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

8. Name: Associate Professor Kriengsak Limkittikul Education

Degree	Degree Name	Institute	Year
Dip. Thai Board of Tropi	cal Medicine and Hygiene	Mahidol University	2006
Dip. Thai Board of Famil	y Medicine	Thai Medical Council	2003
Diploma of Virology		Nagasaki University, JAPAN	2001
Dliploma Thai Board of Pediatrics		Khonkaen University	1999
M.D.		Mahidol University	1995

Affiliation: Department of Tropical Pediatric, Faculty of Tropical Medicine, Mahidol University

Interested research/ expertise

- 1. Pediatric infectious disease
- 2. Vaccine research

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Geretz A, Ehrenberg PK,	12/1	2018
	Bouckenooghe A, Fernández Viña		
	MA, Michael NL, Chansinghakule D,		
	Limkittikul K, et al. Full-length next-		
	generation sequencing of HLA class I		
	and II genes in a cohort from		
	Thailand. Hum Immunol. 2018;		
	S0198-8859(18): 30860-7.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Chanthavanich P, Limkittikul K ,	12/1	2018
	Sirivichayakul C, Chokejindachai W,		
	Hattasingh W, Pengsaa K, et al.		
	Immunogenicity and safety of		
	inactivated chromatographically		
	purified Vero cell-derived Japanese		
	encephalitis vaccine in Thai children.		
	Hum Vaccin Immunother. 2018;		
	14(4): 900-5.		
Journal articles	3. Chatchen S, Ibrahim S, Wisetsing	12/1	2017
	P, Limkittikul K . Long-Term		
	protective rabies antibodies in Thai		
	children after pre-exposure rabies		
	vaccination. Southeast Asian J Trop		
	Med Public Health. 2017; 48(2): 306-		
	12.		
Journal articles	4. Yamagishi J, Runtuwene LR,	12/1	2017
	Hayashida K, Mongan AE, Thi LAN,		
	Thuy LN, Nhat CN, Limkittikul K , et		
	al. Serotyping dengue virus with		
	isothermal amplification and a		
	portable sequencer. Sci Rep. 2017;		
	7(1): 3510.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	5. Rattanamahaphoom J,	12/1	2017
	Leaungwutiwong P, Limkittikul K ,		
	Kosoltanapiwat N, Srikaitkhachorn A.		
	Activation of dengue virus-specific T		
	cells modulates vascular endothelial		
	growth factor receptor 2 expression.		
	Asian Pac J Allergy Immunol. 2017;		
	35(3): 171-178.		
Journal articles	6. Sirivichayakul C, Chanthavanich P,	12/1	2017
	Limkittikul K, Siegrist CA,		
	Wijagkanalan W, Chinwangso P, et al.		
	Safety and immunogenicity of a		
	combined Tetanus, Diphtheria,		
	recombinant acellular Pertussis		
	vaccine (TdaP) in healthy Thai		
	adults. Hum Vaccin Immunother.		
	2017; 13(1): 136-143.		
Journal articles	7. Dhole P, Nakayama EE, Saito A,	12/1	2016
	Limkittikul K , Phanthanawiboon S,		
	Shioda T, et al. Sequence diversity of		
	dengue virus type 2 in brain and		
	thymus of infected interferon		
	receptor ko mice: implications for		
	dengue virulence. Virol J. 2016; 13(1):		
	199.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	8. Plennevaux E, Sabchareon A,	12/1	2016
	Limkittikul K , Chanthavanich P,		
	Sirivichayakul C, Moureau A, et al.		
	Detection of dengue cases by		
	serological testing in a dengue		
	vaccine efficacy trial: Utility for		
	efficacy evaluation and impact of		
	future vaccine introduction. Vaccine.		
	2016; 34(24): 2707-12.		
Journal articles	9. Phanthanawiboon S, Limkittikul	12/1	2016
	K, Sakai Y, Takakura N, Saijo M,		
	Kurosu T. Acute Systemic Infection		
	with Dengue virus leads to vascular		
	leakage and death through tumor		
	necrosis factor- $lpha$ and		
	Tie2/angiopoietin signaling in mice		
	lacking type I and II interferon		
	receptors. PLoS One. 2016; 11(2):		
	e0148564.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

9. Name: Associate Professor Dr. Paron Dekumyoy

Education

Degree	Degree Name	Institute	Year
Ph.D.	Tropical Medicine	Mahidol University	2003
M.Sc.	Tropical Medicine	Mahidol University	1985
B.Sc.	Biology	Ramkhamhaeng University	1980

Affiliation: Department of Helminthology, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. Molecular biology
- 2. Parasitology

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Chaisiri K, Dusitsittipon S,	12/1	2018
	Panitvong N, Ketboonlue T,		
	Nuamtanong S,Thaenkham U,		
	Morand S, Dekumyoy P . Distribution		
	of the newly invasive New Guinea		
	flatworm Platydemus manokwari		
	(Platyhelminthes: Geoplanidae) in		
	Thailand and its potential role as a		
	paratenic host carrying		
	Angiostrongylus malaysiensis larvae.		
	J Helminthol. 2018; 20:1-9.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Phuphisut O, Ajawatanawong P,	12/1	2018
	Limpanont Y, Reamtong O,		
	Nuamtanong S, Ampawong S,		
	Chaimon S, Dekumyoy P , et al.		
	Transcriptomic analysis of male and		
	female <i>Schistosoma mekongi</i> adult		
	worms. Parasit Vectors.		
	2018;11(1):504.		
Journal articles	3. Chaisiri K, Kusolsuk T, Homsuwan	12/1	2018
	N, Sanguankiat S, Dekumyoy P ,		
	Peunpipoom G, et al. Co-occurrence		
	of swine cysticercosis due to <i>Taenia</i>		
	solium and Taenia hydatigena in		
	ethnic minority villages at the Thai-		
	Myanmar border. J Helminthol. 2018;		
	28:1-9.		
Journal articles	4. Thiangtrongjit T, Adisakwattana P,	12/1	2018
	Limpanont Y, Dekumyoy P ,		
	Nuamtanong S, Chusongsang P, et al.		
	Proteomic and immunomic analysis		
	of Schistosoma mekongi egg		
	proteins. Exp Parasitol. 2018; 191: 88-		
	96.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	5. Pothong K, Komalamisra C,	12/1	2018
	Kalambaheti T, Watthanakulpanich		
	D, Yoshino TP, Dekumyoy P . ELISA		
	based on a recombinant		
	Paragonimus heterotremus protein		
	for serodiagnosis of human		
	paragonimiasis in Thailand. Parasit		
	Vectors. 2018; 11(1): 322.		
Journal articles	6. Mengying Z, Yiyue X, Tong P, Yue	12/1	2017
	H, Limpanont Y, Ping H, Okanurak K,		
	Yanqi W, Dekumyoy P , et al.		
	Apoptosis and necroptosis of mouse		
	hippocampal and parenchymal		
	astrocytes, microglia and neurons		
	caused by Angiostrongylus		
	cantonensis infection. Parasit		
	Vectors. 2017; 10(1): 611.		
Journal articles	7. Wuhao L, Ran C, Xujin H,	12/1	2017
	Zhongdao W, Dekumyoy P , Zhiyue		
	L. Parasites and asthma. Parasitol		
	Res. 2017; 116(9): 2373-2383.		
Journal articles	8. Thaenkham U, Phuphisut O,	12/1	2017
	Nuamtanong S, Yoonuan T, Sa-		
	Nguankiat S, Vonghachack Y, Belizario		
	VY, Dung DT, Dekumyoy P , et al.		
	Genetic differences among		
	Haplorchis taichui populations in		
	Indochina revealed by mitochondrial		
	COX1 sequences. J Helminthol.		
	2017; 91(5): 597-604.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

10. Name: Associate Professor Dr. Suwalee Worakhunpiset

Education

Degree	Degree Name	Insitiute	Year
Ph.D.	Tropical Medicine	Mahidol University	2004
M.Sc.	Technology of	Mahidol University	1996
	Environmental		
	Management		
B.N.S.	Nursing	Mahidol University	1991

Affiliation: Department of Social and Environmental Medicine, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Environmental Health, Environmental Toxicology, Environmental Management, Health Risk Assessment

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 years

		Academic	
Publication types	Publication Names	performance standard	Years
		criteria/Weights	
Journal articles	1. Sudsandee S, Hu CC, Lui	12/1	2019
	YL, Worakhunpiset S , Loahaprapanon S,		
	Hung WS, Lee KR, Lai JY. Improving		
	barrier performance of transparent		
	polymeric film using silk nanofibril		
	combine graphene oxide. Journal of		
	Taiwan Institute of Chemical Engineers.		
	2019; 95:332-340.		

		Academic	
Publication types	Publication Names	performance standard	Years
		criteria/Weights	
Journal articles	2. Chienwichai P, Reamtong O, Boonyuen	12/1	2019
	U, Pisitkun T, Somparn P,		
	Tharnpoophasiam P, Worakhunpiset S,		
	Topanurak S. Hepatic protein		
	carbonylation profiles induced by lipid		
	accumulation and oxidative stress for		
	investigating cellular response to non-		
	alcoholic fatty liver disease in vitro.		
	Proteome Sci. 2019 Mar 27;17:1.		
Journal articles	3. Kliengchuay W, Cooper Meeyai	12/1	2018
	A, Worakhunpiset S , Tantrakarnapa K .		
	Relationships between meteorological		
	Parameters and particulate matter in		
	Mae Hong Son Province, Thailand. Int J		
	Environ Res Public Health. 2018 Dec		
	10;15 (12). pii : E2801.		
Journal articles	4. Mingkhwan R, Worakhunpiset S.	12/1	2018
	Heavy Metal Contamination Near		
	Industrial estate areas in Phra Nakhon Si		
	Ayutthaya Province, Thailand and human		
	health risk assessment. Int J Environ Res		
	Public Health. 2018 Aug 31;15 (9). pii:		
	E1890.		

		Academic	
Publication types	Publication Names	performance standard	Years
, and mean of the		criteria/Weights	
Journal articles	5. Worakhunpiset S. Trace elements in	12/1	2018
	marine sediment and organisms in the		
	Gulf of Thailand. Int J Environ Res Public		
	Health. 2018;15:810.		
Journal articles	6. Tosepu R, Tantrakarnapa K,	12/1	2018
	Worakhunpiset S, Nakhapakorn K .		
	Climatic factors influencing Dengue		
	Hemorrhagic Fever in Lolaka District,		
	Indonesia .Environ Nat Resour J .2018;		
	16 :1-10.		
Journal articles	7. Tosepu R, Tantrakarnapa K,	12/1	2018
	Nakhapakorn K, Worakhunpiset S.		
	Climate variability and Dengue		
	hemorrhagic fever in Southeast Sulawesi		
	Province, Indonesia. Environ Sci Pollut		
	Res. 2018; 5:14944-52.		
Journal articles	8. Chienwichai P, Topanurak S, Reamtong	12/1	2018
	O, Boonyuen U, Worakhunpiset S ,		
	Tharnpoophasiam P. Effects of low		
	bisphenol A concentration on protein		
	expression profiles in an in vitro model		
	of non-alcoholic fatty liver disease. Mol		
	Cell Toxicol. 2018; 14:61-72.		

		Academic	
Publication types	Publication Names	performance standard	Years
,		criteria/Weights	
Journal articles	9. Sudsandee S, Tantrakarnapa K,	12/1	2017
	Tharnpoophasiam P, Limpanont Y,		
	Mingkhwan R, Worakhunpiset S .		
	Evaluating health risk posed by heavy		
	metals to humans consuming blood		
	cockle (<i>Anadara granosa</i>) from the		
	Upper Gulf of Thailand. Environ Sci		
	Pollut Res. 2017; 24: 14605-15.		

Current Teaching Load

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	524	Fundamentals of Environmental Health and Toxicology	2 (2-0-4)
TMSH	528	Environmental Management	2 (2-0-4)
TMSE	529	Principle of Environmental Biotechnology	2 (2-0-4)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	524	Printciples of Environmental Health and Toxicology	2 (2-0-4)
TMSH	528	Environmental Management	2 (2-0-4)
TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	518	Instructional Media Design for School Health Promotion	2 (1-2-3)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

11. Name: Associate Professor Dr. Thareerat Kalambaheti Education

Degree	Degree name	Institute	Year
Ph.D.	Microbiology	Monash University, Australia	2000
M.Sc.	Microbiology	University of New South Wales,	1991
		Australia	
B.Sc.	Microbiology	Chulalongkorn University	1982

Affiliation: Department of Microbiology and Immunology, Faculty of Tropical,

Medicine, Mahidol University

Interesting Research Topics or Specialties

Molecular typing of bacteria; Production of recombinant protein for diagnosis.

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Tunyong W, Hattasingh W,	12/1	2018
	Mahakunkijcharoen Y, Kalambaheti		
	T. Immunogenicity Induced by the		
	Heptavalent pneumococcal		
	conjugate vaccine among thai		
	children at high risk for severe		
	pneumococcal disease pediatrics &		
	health research. 2018; 3: 5.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Kumkrong K, Chankate P,	12/1	2017
	Tonyoung W, Intarapuk A, Kerdsin A,		
	Kalambaheti T. Multilocus variable-		
	number tandem repeat analysis of		
	Brucella isolates from Thailand		
	Southeast Asian J Trop Med Public		
	Health. 2017; 48(1): 124-42.		
Journal articles	. 3. Chawjiraphan W, Sonthayanon P,	12/1	2016
	Chanket P, Benjathummarak S,		
	Kerdsin A, Kalambaheti T.		
	Multilocus Sequence typing of		
	Brucella isolates from Thailand		
	Southeast Asian J Trop Med Public		
	Health. 2016; 47(6): 1270-87.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

12. Name: Assistant Professor Dr. Dumrongkiet Arthan Education

Degree	Degree Name	Insitiute	Year
Ph.D.	Biochemistry	Mahidol University	2003
M.Sc.	Biochemistry	Mahidol University	1996
B.Sc.	Biochemistry	Chulalongkorn University	1992

Affiliation: Department of Tropical Nutrition and Food Science, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Biochemical Nutrition, School health, Biochemtistry

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Paratthakonkun C, Kaewprasert S, Arthan	12/1	2019
	D, Soonthornworasiri N, Prangthip P,		
	Wongsutthilerd A, et al. Associations among		
	serum folate, waist-to-hip ratio, lipid profile,		
	and eating habits in an elderly Thai		
	population. Int J for Vit and Nutr Res. 2019;		
	15: 1-9.		
Journal articles	2.Phoeurk C, Somana J, Sornwatana T,	12/1	2018
	Udompaisarn S, Traewachiwiphak S,		
	Sirichaiyakul P, Phongsak T, Arthan D. Three		
	novel mutations in $lpha$ -galactosidase gene		
	involving in galactomannan degradation in		
	endosperm of curd coconut.		
	Phytochemistry. 2018; 156: 33-42.		

The Mahidol University Council has approved the adjusted program in its 552nd meeting on January 15 , 2020

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	3.Norbu W, Wangdi U, Dorji D, Arthan D,	12/1	2017
	Soonthornworasiri N, Maneekan P, et al.		
	Obesity prevalence and contributingfactors		
	among adolescents in secondary schools in		
	Pemagatshel district, Bhutan. Int J Adolesc		
	Med Health. 2017; 18: 31(1).		
Journal articles	4.Udompaisarn S, Arthan D , Somana J.	12/1	2017
	Development and Validation of an		
	Enzymatic Method To Determine Stevioside		
	Content from <i>Stevia rebaudiana</i> . J Agric		
	Food Chem. 2017; 65(15): 3223-9.		
Journal articles	5. Mosikanon K, Arthan D , Kettawan A,	12/1	2017
	Tungtrongchitr R, Prangthip P. Yeast $oldsymbol{eta}$ -		
	Glucan Modulates Inflammation and Waist		
	Circumference in Overweight and Obese		
	Subjects. J Diet Suppl. 2017; 14 (2): 173-85.		
Journal articles	6.Puangpet T, Paratthakonkun C,	11/0.4	2017
	Soonthornworasiri N, Wattanapisit A, Arthan		
	D. Situation and Trend of Samutsakhon		
	Hospital Visits among Thai and Myanmar		
	Patients between 2012 and 2016. Journal of		
	Nakornping Hospital 2017; 8: 34-48.		
Journal articles	7. Suthangkornkul R, Sriworanun P, Nakai H,	12/1	2016
	Okuyama M, Svasti J, Kimura A, Senapin S,		
	Arthan D. A Solanum torvum GH3 β-		
	glucosidase expressed in <i>Pichia pastoris</i>		
	catalyzes the hydrolysis of furostanol		
	glycoside. Phytochemistry. 2016; 127: 4-11.		

Current Teaching Load

TMSH	501	Health Issues in School	3 (3-0-6)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	506	Nutrition Principles for School Children	2 (2-0-4)
TMSH	507	Food in School Children	2 (2-0-4)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	512	Health Issues in Schools	3 (3-0-6)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	2 (2-0-4)
TMSH	516	Food for School Children	2 (2-0-4)
TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	518	Instructional Media Design for School Health Promotions	2 (1-2-3)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

13. Name: Assistant Professor Dr. Jittima Dhitavat Education

Degree	Degree Name	Institute	Year
Dip. Thai Board of Epidemiology (Travel Medicine)		Thai Medical Council	2013
D.Phil.	Clinical Medicine	University of Oxford, UK	2003
Dip.	Dermatology	Thai Medical Council	1995
M.Sc.	Internal Medicine	Chulalongkorn University	1992
M.D. (Honors),	-	Prince of Songkla University	1989

Affiliation: Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. Dermatology
- 2. HIV
- 3. Mycology

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1. Sricharoenchai S, Sirivichayakul C,	12/1	2018
	Chokephaibulkit K, Pitisuttithum P,		
	Dhitavat J , Pitisuthitham A, et al. A		
	genetically inactivated two-		
	component acellular pertussis		
	vaccine, alone or combined with		
	tetanus and reduced-dose diphtheria		
	vaccines, in adolescents: a phase		
	2/3, randomised controlled non-		
	inferiority trial. Lancet Infect Dis.		
	2018; 18 (1): 58-67.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Rampakakis E, Stutz M, Kawai K,	12/1	2017
	Tsai TF, Cheong HJ, Dhitavat J , et al.		
	Association between work time loss		
	and quality of life in patients with		
	Herpes Zoster: a pooled analysis of		
	the MASTER studies. Health Qual		
	Life Outcomes. 2017; 15(1): 11.		
Journal articles	3. Pitisuttithum P, Islam D,	12/1	2016
	Chamnanchanunt S, Ruamsap N,		
	Khantapura P, Kaewkungwal J,		
	Kittitrakul C, Luvira V, Dhitavat J , et		
	al. Clinical Trial of an Oral Live		
	Shigella sonnei Vaccine Candidate,		
	WRSS1, in Thai Adults. Clin Vaccine		
	Immunol. 2016; 23 (7): 564-75.		
Journal articles	4. Martinez Vega R,	12/1	2016
	Phumratanaprapin W, Phonrat B,		
	Dhitavat J, Sutherat M, Choovichian		
	V. Differences in Liver Impairment		
	Between Adults and Children with		
	Dengue Infection. Am J Trop Med		
	Hyg. 2016; 94 (5): 1073-9.		

Current Teaching Load

Т	MSH	502	Diseases in School Children	3 (2-2-5)
Т	MSH	697	Thematic paper	6 (0-18-0)
Т	MSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

14. Name: Assistant Professor Dr. Kobporn Boonnak Education

Degree	Degree Name	Institute	Year
Ph.D.	Microbiology	Mahidol University	2008
M.Sc.	Immunology	Mahidol University	2000
B.Sc.	Biochemistry and	Chiangmai University	1992
	Biochemical		
	Technology		

Affiliation: Department of Microbiology and Immunology, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. Virus
- 2. Immunology

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard	
		criteria/Weight	
Journal articles	1. Pitisuttithum P, Chokephaibulkit K,	12/1	2018
	Sirivichayakul C, Sricharoenchai S, Dhitavat J,		
	Pitisuthitham A, Phongsamart W, Boonnak		
	K, et al. Antibody persistence after		
	vaccination of adolescents with monovalent		
	and combined acellular pertussis vaccines		
	containing genetically inactivated pertussis		
	toxin: a phase 2/3 randomised, controlled,		
	non-inferiority trial. Lancet Infect Dis.		
	2018;18(11):1260-8.		

Publication	Publication Names	Academic performance	Years
types		standard	
		criteria/Weight	
Journal articles	2. Monmaturapoj N, Sri-On A, Klinsukhon W,	12/1	2018
	Boonnak K , Prahsarn C. Antiviral activity of		
	multifunctional composite based on TiO(2)-		
	modified hydroxyapatite. Mater Sci Eng C		
	Mater Biol Appl. 2018; 92: 96-102.		
Journal articles	3. Sricharoenchai S, Sirivichayakul C,	12/1	2018
	Chokephaibulkit K, Pitisuttithum P, Dhitavat		
	J, Pitisuthitham A, Phongsamart W, Boonnak		
	K, et al. A genetically inactivated two-		
	component acellular pertussis vaccine,		
	alone or combined with tetanus and		
	reduced-dose diphtheria vaccines, in		
	adolescents: a phase 2/3, randomised		
	controlled non-inferiority trial. Lancet Infect		
	Dis. 2018; 18(1): 58-67.		

Publication	Publication Names	Academic	Years
types		performance	
		standard	
		criteria/Weight	
Journal articles	4. Lamichhane PP, Boonnak K , Changsom D,	12/1	2017
	Noisumdaeng P, Sangsiriwut K,		
	Pattanakitsakul SN, et al. H5N1 NS genomic		
	segment distinctly governs the influenza		
	virus infectivity and cytokine induction in		
	monocytic cells. Asian Pac J Allergy		
	Immunol. 2018 ;36(1): 58-68.		
Journal articles	5. Boonnak K , Dhitavat J, Thantamnu N,	12/1	2017
	Kosoltanapiwat N, Auayporn M, Jiang L, et al.		
	Immune responses to intradermal and		
	intramuscular inactivated influenza vaccine		
	among older age group. Vaccine. 2017;		
	35(52): 7339-46.		
Journal articles	6. Pitisuttithum P, Boonnak K ,	12/1	2017
	Chamnanchanunt S, Puthavathana P, Luvira		
	V, Lerdsamran H, et al. Safety and		
	immunogenicity of a live attenuated		
	influenza H5 candidate vaccine strain		
	A/17/turkey/Turkey/05/133 H5N2 and its		
	priming effects for potential pre-pandemic		
	use: a randomised, double-blind, placebo-		
	controlled trial. Lancet Infect Dis. 2017;		
	17(8): 833-842.		

Publication	Publication Names	Academic	Years
types		performance	
		standard	
		criteria/Weight	
Journal articles	7. Boonnak K , Matsuoka Y, Wang W,	12/1	2017
	Suguitan AL, Chen Z, Paskel M, et al.		
	Development of Clade-Specific and Broadly		
	Reactive Live Attenuated Influenza Virus		
	Vaccines against Rapidly Evolving H5 Subtype		
	Viruses. J Virol. 2017; 91(15): e00547-17.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

15. Name: Assistant Professor Dr. Ngamphol Soonthornworasiri

Education

Degree	Degree Name	Institute	Year
Ph.D.	Mathematics	Mahidol University	2008
M.Sc.	Applied Mathematics	Mahidol University	2003
B.Sc.	Mathematics	Mahidol University	2000

Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University.

Interesting Research Topics or Specialties

- 1. Statistical Modeling
- 2. Statistical Inference
- 3. Bayesian Analysis
- 4. Time Series Model

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	1.Mahikul W, White LJ, Poovorawan	12/1	2019
	K, Soonthornworasiri N,		
	Sukontamarn P, Chanthavilay P, Pan-		
	Ngum W, Medley GF. A Population		
	Dynamic Model to Assess the		
	Diabetes Screening and Reporting		
	Programs and Project the Burden of		
	Undiagnosed Diabetes in Thailand.		
	Int J Environ Res Public Health. 2019		
	Jun 21;16(12).		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	2. Pisutsan P, Soonthornworasiri N ,	12/1	2019
	Matsee W, Phumratanaprapin W,		
	Punrin S, Leowattana W,		
	Mansanguan C, Leshem E,		
	Piyaphanee W. Incidence of health		
	problems in travelers to Southeast		
	Asia: A prospective cohort study. J		
	Travel Med. 2019 Jun 20.		
Journal articles	Mahikul W, White LJ, Poovorawan K,	12/1	2019
	Soonthornworasiri N, Sukontamarn		
	P, Chanthavilay P, Medley GF, Pan-		
	Ngum W. Modelling population		
	dynamics and seasonal		
	movement to assess and predict the		
	burden of melioidosis. PLoS Negl		
	Trop Dis. 2019 May 9;13(5):e0007380.		
Journal articles	3.Paratthakonkun C, Kaewprasert S,	12/1	2019
	Arthan D, Soonthornworasiri N,		
	Tungtrongchitr R, Prangthip P,		
	Wongsutthilerd A, Pooudoung S,		
	Chantaranipapong Y, Nakosiri W,		
	Aroonnual A, Chupeerach C,		
	Chanchai S, Nana A. Associations		
	among serum folate,		
	waist-to-hip ratio, lipid profile, and		
	eating habits with homocysteine in		
	an elderly Thai population. Int J		
	Vitam Nutr Res. 2019; 15 :1-9.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	4.Htun YM, Khaing TMM, Aung NM, Yin	12/1	2018
	Y, Myint Z, Aung ST, Soonthornworasiri		
	N , Silachamroon U, Kasetjaroen Y,		
	Kaewkungwal J. Delay in treatment		
	initiation and treatment outcomes		
	among adult patients with multidrug-		
	resistant tuberculosis at		
	Yangon Regional Tuberculosis Centre,		
	Myanmar: A retrospective study. PLoS		
	One. 2018; 13 : e0209932.		
Journal articles	5: Htun YM, Khaing TMM, Yin Y, Myint	12/1	2018
	Z, Aung ST, Hlaing TM,		
	Soonthornworasiri N,		
	Silachamroon U, Kasetjaroen Y,		
	Kaewkungwal J. Delay in diagnosis and		
	treatment among adult multidrug		
	resistant tuberculosis patients in		
	Yangon Regional		
	Tuberculosis Center, Myanmar: a cross-		
	sectional study. BMC Health Serv Res.		
	2018; 18: 878.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	6: Suwanmanee S,	12/1	2018
	Surasombatpattana P,		
	Soonthornworasiri N, Hamel R,		
	Maneekan P, Missé D, Luplertlop N.		
	Monitoring arbovirus in Thailand:		
	Surveillance of dengue,		
	chikungunya and zika virus, with a		
	focus on coinfections. Acta Trop.		
	2018; 188: 244-250.		
Journal articles	7. Phosat C, Panprathip P,	12/1	2017
	Chumpathat N, Prangthip P,		
	Chantratita N, Soonthornworasiri N ,		
	et al. Elevated C-reactive protein,		
	interleukin 6, tumor necrosis factor		
	alpha and glycemic load associated		
	with type 2 diabetes mellitus in rural		
	Thais: a cross-sectional study. BMC		
	Endocr Disord. 2017; 17: 44.		
Journal articles	8.Charatcharoenwitthaya	12/1	2017
	P, Soonthornworasiri N,		
	Karaketklang K, Poovorawan K, Pan-		
	Ngum W, Chotiyaputta W, et al.		
	Factors affecting mortality and		
	resource use for hospitalized		
	patients with cirrhosis: A population-		
	based study. Medicine		
	(Baltimore). 2017; 96: e7782.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	3.Norbu W, Wangdi U, Dorji D,	12/1	2017
	Arthan D, Soonthornworasiri N,		
	Maneekan P, et al. Obesity		
	prevalence and contributingfactors		
	among adolescents in secondary		
	schools in Pemagatshel district,		
	Bhutan. Int J Adolesc Med Health.		
	2017; 18: 31(1).		
Journal articles	10. Treeprasertsuk S, Poovorawan K,	12/1	2017
	Soonthornworasiri N, Chaiteerakij R,		
	Thanapirom K, Mairiang P,		
	Sawadpanich K, Sonsiri K, Mahachai		
	V, Phaosawasdi K. A		
	significant cancer burden and high		
	mortality of intrahepatic		
	cholangiocarcinoma		
	in Thailand: a nationwide database		
	study. BMC Gastroenterol. 2017; 17 :3		
Journal articles	11. Sa-angchai P, Phienphommalinh	12/1	2016
	S, Yimsamran S, Kaewkungwal J,		
	Kijsanayotin B, Soonthornworasiri N.		
	Geographical Distribution of Health		
	Workforces In Lao PDR .Southeast		
	Asian J Trop Med Public Health.		
	2016; 47: 868-79.		

Publication	Publication Names	Academic performance	Years
types		standard criteria/Weight	
Journal articles	12. Poovorawan K, Pan-Ngum W,	12/1	2016
	Soonthornworasiri N, Kulrat C,		
	Kittitrakul C, Wilairatana P, et al.		
	Burden of Liver Abscess and Survival		
	Risk Score in Thailand: A Population-		
	Based Study. Am J Trop Med Hyg .		
	2016; 95: 683-8.		
Journal articles	13. Chumpathat N, Rangsin R,	12/1	2016
	Changbumrung S, Soonthornworasiri		
	N, Durongritichai V, Kwanbunjan K.		
	Use of knee height for the		
	estimation of body height in Thai		
	adult wonmen. Asia Pacific J Clin		
	Nut.2016; 25: 444-51.		
Journal articles	14. Ma S, Lawpoolsri S,	12/1	2016
	Soonthornworasiri N,		
	Khamsiriwatchara A, Jandee K,		
	Taweeseneepitch K, et al.		
	Effectiveness of implementation of		
	electronic malaria information		
	system as the national malaria		
	surveillance system in Thailand .		
	JMIR Public Health Surveill . 2016; 6:		
	2(1): e20.		

Current Teaching Load

TMID	513	Biostatistics	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	515	Epidemiology and Biostatistics in School Health	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

16. Name: Assistant Professor Dr. Pattaneeya Prangthip Education

Degree	Degree Name	Institute	Year
Ph.D.	Nutrition	Mahidol University	2012
M.Sc.	Food Technology	University of New	2004
		South Wale; Australia	
B.Sc.	Biotechnology	Silpakorn University	2000

Affiliation: Department of Tropical Nutrition and Food Science, Faculty of Tropical Medicine, Mahidol University

Interested research/ expertise: Nutritional Biochemistry, Nutritional factors on obesity, Nutritional factors on education outcomes

Publications that are not part of any degree study and are complied with the criteria for academic position appointment within 5 years

Publication types	Publication Names	Academic performance	Years	
Tublication types	Tablication Names	standard criteria/Weights		
Journal articles	1.Udomkasemsab A, Prangthip P. High	12/1	2018	
	fat diet for induced dyslipidemia and			
	cardiac pathological alterations in			
	Wistar rats compared to Sprague			
	Dawley rats. Clín Investig Arterioscler			
	2018; doi:10.1016/j.arteri.2018.09.004:			

Publication types	Publication Names	Academic	Years
		performance standard	
		criteria/Weight	
Journal articles	2. Udomkasemsab A, Ngamlerst C,	12/1	2018
	Adisakwattana P, Aroonnual A,		
	Tungtrongchitr R, Prangthip P. Maoberry		
	(Antidesma bunius) ameliorates		
	oxidative stress and inflammation in		
	cardiac tissues of rats fed a high-fat diet.		
	BMC Complement Altern Med 2018;18:		
	344.		
Journal articles	3.Norbu W, Wangdi U, Dorji D, Arthan D,	12/1	2018
	Soonthornworasiri N, Maneekan P, et al.		
	Obesity prevalence and		
	contributingfactors among adolescents in		
	secondary schools in Pemagatshel		
	district, Bhutan. Int J Adolesc Med		
	Health. 2017; 18: 31(1).		
Journal articles	4. Phosat C, Panprathip P, Chumpathat	12/1	2017
	N, Prangthip P, Chantratita N,		
	Soonthornworasiri N, Puduang S,		
	Kwanbunjan K. Elevated C-reactive		
	protein, interleukin 6, tumor necrosis		
	factor alpha and glycemic load		
	associated with type 2 diabetes mellitus		
	in rural Thais: a cross-sectional study.		
	BMC Endocr Dis. 2017; 17: 44.		

Publication types	Publication Names	Academic	Years
		performance standard	
		criteria/Weight	
Journal articles	5. Plaitho Y, Rattanasena P, Chaikham	12/1	2017
	P, Prangthip P. Biochemical and		
	Antioxidative Properties of Unprocessed		
	and Sterilized White and Black Sesame By-		
	product from Northern Thailand. Current		
	Res Nutri Food Sci. 2017; 5: 196-205.		
	of Maoberry (<i>Antidesma bunius</i> L.) Juice.		
	Food Sci Tech Res. 2016; 22: 647-654.		
Journal articles	6. Prangthip P, Kettawan A, Posuwan J,	12/1	2016
	Okuno M, Okamoto T. Prevention of		
	oxidative stress in diabetic rats by		
	ubiquinone-10 and ubiquinol-10 and		
	bioavailability after short- and long-term		
	coenzyme Q_{10} and ubiquinol-10 and		
	bioavailability after short- and long-term		
	coenzyme Q_{10} supplementation. J Diet		
	Suppl. 2016; 13: 647-59.		
Journal articles	7. Mosikanon K, Arthan D, Kettawan A,	12/1	2016
	Tungtrongjitr R, Prangthip P. Yeast eta –		
	glucan modulates inflammation and waist		
	circumference in overweight and obese		
	subjects. J Diet Suppl. 2016; 14: 173-85.		
Journal articles	8. Chaikham P, Prangthip P , Seesuriyachan	12/1	2016
	P. Ultra-Sonication Effects on Quality		
	Attributes supplementation. J Diet Suppl.		
	2016; 13: 647-59.		

Current Teaching Load

TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	506	Nutrition Principles for School Children	2 (2-0-4)
TMSH	507	Food in School Children	2 (2-0-4)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	2 (2-0-4)
TMSH	516	Food in School Children	2 (2-0-4)
TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	518	Instructional Media Design for School Health Promotion	2 (1-2-3)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

17. Name: Assistant Professor Dr. Saranath Lawpoolsri Niyom Education

Degree	Degree Name	Institute	Year
Ph.D.	Epidemiology	University of Maryland,	2009
		Baltimore, USA	
Dip.	Tropical Medicine and Hygiene	Mahidol University	2003
M.D. (2 nd class honors)	-	Chulalongkorn University	2000

Affiliation: Department of Tropical Hygiene Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. The epidemiology of malaria and other tropical diseases
- 2. Spatial and mathematical modeling
- 3. Public health informatics

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

		Academic	
Publication types	Publication Names	performance standard	Years
		criteria/Weights	
Journal articles	1. Lawpoolsri S , Sattabongkot J,	12/1	2019
	Sirichaisinthop J, Cui L, Kiattibutr K,		
	Rachaphaew N, Suk-Uam K,		
	Khamsiriwatchara A, Kaewkungwal J.		
	Epidemiological profiles of recurrent		
	malaria episodes in an endemic area		
	along the Thailand-Myanmar border: a		
	prospective cohort study. Malar J.		
	2019; 18: 124.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2. Blanchard Rohner G, Chatzis O, Chinwangso P, Rohr M, Grillet S, Salomon C, Lemaître B, Boonrak P, Lawpoolsri S, Clutterbuck E, Poredi IK, Wijagkanalan W, Spiegel J, Pham HT, Viviani S, Siegrist CA. Boosting teenagers with acellular pertussis vaccines containing recombinant or chemically inactivated pertussis toxin: a randomized clinical trial. Clin Infect Dis. 2019;68: 1213-1222.	12/1	2019
Journal articles	3.Luvira V, Silachamroon U, Piyaphanee W, Lawpoolsri S, Chierakul W, Leaungwutiwong P, Thawornkuno C, Wattanagoon Y. Etiologies of Acute Undifferentiated Febrile Illness in Bangkok, Thailand. Am J Trop Med Hyg. 2019;100: 622-629.	12/1	2019
Journal articles	4. Sa-Ngamuang C, Haddawy P, Luvira V, Piyaphanee W, Iamsirithaworn S, Lawpoolsri S. Accuracy of dengue clinical diagnosis with and without NS1 antigen rapid test: Comparison between human and Bayesian network model decision. PLoS Negl Trop Dis. 1. 2018; 12: e0006573.	12/1	2018

Publication types	Publication Names	Academic performance standard	Years
		criteria/Weights	
Journal articles	5. Pitisuttithum P, Boonnak K,	12/1	2017
	Chamnanchanunt S, Puthavathana P,		
	Luvira V, Lerdsamran H, Kaewkungwal		
	J, Lawpoolsri S , et al. Safety and		
	immunogenicity of a live attenuated		
	influenza H5 candidate vaccine strain		
	A/17/turkey/Turkey/05/133 H5N2 and		
	its priming effects for potential pre-		
	pandemic use: a randomised, double-		
	blind, placebo-controlled trial. Lancet		
	Infect Dis. 2017; 17(8): 833-42.		
Journal articles	6.Olanwijitwong J, Piyaphanee W,	12/1	2017
	Poovorawan K, Lawpoolsri S ,		
	Chanthavanich P, Wichainprasast P, et al.		
	Health problems among Thai tourists		
	returning from India. J Travel Med. 2017;		
	24(4).		
Journal articles	7.Ma S, Lawpoolsri S , Soonthornworasiri	12/1	2016
	N, Khamsiriwatchara A, Jandee K,		
	Taweeseneepitch K, et al. Effectiveness		
	of Implementation of electronic malaria		
	information system as the national		
	malaria surveillance system in Thailand.		
	JMIR Public Health Surveill. 2016; 2(1):		
	e20.		

Publication types	Publication Names	Academic performance	Years
		standard criteria/Weights	
Journal articles	8.Canavati SE, Lawpoolsri S , Quintero CE,	12/1	2016
	Nguon C, Ly P, Pukrittayakamee S, et al.		
	Village malaria worker performance key		
	to the elimination of artemisinin-resistant		
	malaria: a Western Cambodia health		
	system assessment. Malar J. 2016; 15(1):		
	282.		

Current Teaching Load

TMID	513	Biostatistics	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	515	Epidemiology and Biostatistics in School Health	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

18. Name: Assistant Professor Dr. Suchada Sumruayphol Education

Degree	Degree Name	Institute	Year
Ph.D.	Tropical Medicine	Mahidol University	2009
M.Sc.	Appropriate Technology for	Mahidol University	2004
	Resources and Environmental		
	Development		
B.Sc.	Agriculture	Kasetsart University	2001

Affiliation: Department of Medical Entomology, Faculty of Tropical Medicine, Mahidol

University

Interesting Research Topics or Specialties

1. Medical Entomology

- 2. Geometric morphometrics
- 3. Taxonomy
- 4. Vector Ecology
- 5. Molecular Biology

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1. Chaiphongpachara T, Sriwichai P, Samung Y, Ruangsittichai J, Morales Vargas RE, Cui L, Sattabongkot J, Dujardin JP, Sumruayphol S . Geometric morphometrics approach towards discrimination of three member species of Maculatus group inThailand. Acta Trop. 2019; 192: 66-74.	12/1	2019
Journal articles	2. Sungvornyothin S, Kumlert R, Paris DH, Prasartvit A, Sonthayanon P, Apiwathnasorn C, Morand S, Stekolnikov AA, Sumruayphol S. Geometric morphometrics of the scutum for differentiation of trombiculid mites within the genus Walchia (Acariformes: Prostigmata: Trombiculidae), a probable vector of scrub typhus. Ticks Tick Borne Dis. 2019;10: 495-503.	12/1	2019

Publication types Journal articles	Publication Names 3. Sumruayphol S, Chittsamart B, Polseela R, Sriwichai P, Samung Y, Apiwathnasorn C, et al. Wing geometry of <i>Phlebotomus</i>	Academic performance standard criteria /Weights 12/1	Years 2017
	stantoni and Sergentomyia hodgsoni from different geographical locations in Thailand. C R Biol. 2017; 340: 195.		
Journal articles	4. Changbunjong T, Sumruayphol S , Weluwanarak T, Ruangsittichai J, Dujardin JP. Landmark and outline-based geometric morphometrics analysis of three Stomoxys flies (Diptera: Muscidae). 2016; 2016 Oct 24;63. pii: 2016.037.	12/1	2016
Journal articles	5. Sumruayphol S , Apiwathnasorn C, Ruangsittichai J, Sriwichai P, Attrapadung S, Samung Y, et al. DNA barcoding and wing morphometrics to distinguish three Aedes vectors in Thailand. Acta Trop. 2016; 159: 1-10.	12/1	2016
Journal articles	4. Sriwichai P, Samung Y, Sumruayphol S , Kiattibutr K, Kumpitak C, Payakkapol A, et al. Natural human <i>Plasmodium</i> infections in major Anopheles mosquitoes in western Thailand. Parasit Vectors. 2016; 9: 17	12/1	2016

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

19. Name: Assistant Professor Dr. Supaluk Popruk

Education

Degree	Degree Name	Institute	Year
Ph.D.	Tropical Medicine	Mahidol University	2007
B.Sc	Medical Techology	Naresuan University	2002

Affiliation: Department Protozoology, Faculty Tropical Medicine University Mahidol University

Interested research/expertise: Development and diagnosis the parasites especially intestinal protozoa, Genotyping and subtyping the pathogenic protozoa, Antiprotozoal activity of herbs against *Giardia duodenalis*

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 years

		Academic performance	
Publication types	Name	standard criteria	Years
		/Weights	
Journal articles	1. Udonsom R, Prasertbun R, Mahittikorn	12/1	2018
	A, Mori H, Changbunjong T, Komalamisra		
	C, Pintong A, Sukthana Y, Popruk S.		
	Blastocystis infection and subtype		
	distribution in humans, cattle, goats, and		
	pigs in central and western Thailand.		
	Infect Genet Evol. 2018; 65: 107-111.		
Journal articles	2. Pintong A, Sunyanusin S, Prasertbun R,	12/1	2018
	Mahittikorn A, Mori H, Changbunjong T,		
	Komalamisra C, Sukthana Y, Popruk S.		
	Blastocystis subtype 5: Predominant		
	subtype on pig farms, Thailand. Parasitol		
	Int. 2018; 67 (6): 824-828.		

		Academic performance	
Publication types	Publication Names	standard criteria	Years
		/Weights	
Journal articles	3. Popruk S, Thima K, Udonsom R,	12/1	2018
	Chiabchalard R, Mahittikorn A, Palakul K,		
	et al. Activity of plant essential oils		
	against <i>Giardia duodenalis</i> . Southeast		
	Asian J Trop Med Public Health. 2017;		
	48(4): 756–61.		
Journal articles	4. Prasertbun R, Mori H, Pintong A,	12/1	2018
	Sanyanusin S, Popruk S , Komalamisra C,		
	et al. Zoonotic potential of		
	Enterocytozoon genotypes in humans		
	and pigs in Thailand. Vet Parasitol 2017;		
	233: 73-9.		
Journal articles	5. Mahittikorn A, Thammasonthijarern N,	12/1	2018
	Roobthaisong A, Udonsom R, Popruk S ,		
	Siri S, et al. Development of a loop-		
	mediated isothermal amplification		
	technique and comparison with		
	quantitative real-time PCR for the rapid		
	visual detection of canine neosporosis.		
	Parasit Vectors. 2017; 10(1): 394.		

Current Teaching Load

TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	515	School health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	518	Instructional Media Design for School Health Promotions	2 (1-2-3)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

20. Name: Assistant Prof. Dr. Supawat Chatchen

Education

Degree	Degree Name	Institute	Year
Ph.D.	Molecular Genetics and	Mahidol University	2005
	Genetic Engineering		
Dip. Thai Board	Tropical Medicine and	Mahidol University	2014
of	Hygiene		
M.D.	-	Mahidol University	2008
B.Sc.	Medical Science	Mahidol University	1999

Affiliation: Department of Tropical Pediatric, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. Pediatric infectious disease
- 2. Vaccine research
- 3. Immunogenicity of Dengue infection

Publication that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 years

Publication types	Publication Names	Academic performance standard criteria/Weights	Years
Journal articles	1. Srichan P, Niyom SL, Pacheun O,	12/1	2018
	lamsirithawon S, Chatchen S , Jones	·	
	C, et al. Addressing challenges faced		
	by insecticide spraying for the		
	control of dengue fever in Bangkok,		
	Thailand: a qualitative approach. Int		
	Health. 2018; 10(5): 349-55.		

		Academic	
Publication types	Publication Names	performance standard	Years
		criteria/Weights	
Journal articles	2. Chatchen S, Pongsakul N, Srisomsap	12/1	2018
Journal articles	C, Chiangjong W, Hongeng S, Svasti J, et	12/1	2010
	al. Unravelling pathophysiology of		
	crystalline nephropathy in ceftriaxone-		
	associated acute kidney injury: A Cellular		
	Proteomic Approach. Nephron. 2018;		
	139(1):70-82		
Journal articles	Chatchen S, Ibrahim S, Wisetsing P,	12/1	2017
Journal articles	Limkittikul K. Long-term protective	12/1	2017
	rabies antibodies in Thai children after		
	pre- exposure rabies vaccination.		
	Southeast Asian J Trop Med Public		
	Health. 2017; 48: 306-12.		
Journal articles	4. Chutipongtanate S, Chatchen S , Svasti	12/1	2017
	J. Plasma prefractionation methods for		
	proteomic analysis and perspectives in		
	clinical applications. Proteomics Clin		
	Appl. 2017; 11(7-8).		
Journal articles	5. Chatchen S, Sabchareon A,	12/1	2017
	Sirivichayakul C. Serodiagnosis of		
	asymptomatic dengue infection. Asian		
	Pac J Trop Med. 2017; 10(1): 11-4.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)
TMSH	502	Diseases in School Children	3 (2-2-5)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

21. Name: Assistant Professor Weerawan Hattasingh Education

Degree	Degree Name	Institute	Year
Dliploma	Pediatrics infectious	Thai Medical Council	2009
	diseases	(Chulalongkorn university)	
Dliploma	Pediatrics	Thai Medical Council (QSNICH)	2002
Dliploma	Tropical Medicine	Mahidol university	2011
	and Hygeine		
M.D.	-	Mahidol university	1996

Affiliation: Department of Tropical Pediatric, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties:

Pediatric infectious disease, Vaccine research

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1. Tunyong W, Hattasingh W ,	12/1	2018
	Mahakunkijcharoena Y, Kalambaheti T.		
	Immunogenicity induced by the		
	heptavalent pneumococcal conjugate		
	vaccine among Thai children at high risk		
	for severe pneumococcal disease. Ped		
	Health Res 2018;3:1-5.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2.Chanthavanich P, Limkittikul K,	12/1	2018
	Sirivichayakul C, Chokejindachai		
	W, Hattasingh W , Pengsaa K,		
	Surangsrirat S, Srisuwannaporn T,		
	Kaewma B, Yoksan S, Jun G, Zhumu B.		
	Immunogenicity and safety of		
	inactivated chromatographically purified		
	Vero cell-derived Japanese encephalitis		
	vaccine in Thai children. Hum Vaccin		
	Immunother 2018;14(4):900-5.		
Journal articles	3. Hattasingh W, Pengsaa K, Thisyakorn	12/1	2018
	U; 1st Workshop on National		
	Immunization Programs and Vaccine		
	Coverage in ASEAN Group. Report on:		
	"The 1st Workshop on		
	National Immunization Programs and		
	Vaccine Coverage in ASEAN Countries,		
	April 30,2015, Pattaya, Thailand".		
	Vaccine. 2016 Mar 4;34(10):1233-40.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

22. Name: Assistant Professor Dr. Wirichada Pan-ngum

Education

Degree	Degree Name	Institute	Year
Ph.D.	Infectious Diseases	University of Liverpool, UK.	2007
M.Sc.	Applied Statistics	University of Oxford, UK.	1999
B.Sc.	Mathematics	University of Warwick, UK.	1998
	Operational Research,		
	Statistics and		
	Economics (MORSE)		

Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

- 1. Mathematical modeling of Infectious Disease
- 2. Clinical data management and Statistics

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

		Academic	
Publication types	Name	performance standard	Years
		criteria/Weights	
	1. Srichan P, Niyom SL, Pacheun O,		
Journal articles	lamsirithawon S, Chatchen S, Jones C,	12/1	2018
	White LJ, Pan-Ngum W . Addressing		
	challenges faced by insecticide spraying		
	for thecontrol of dengue fever in		
	Bangkok, Thailand: a qualitative		
	approach. Int Health. 2018; 10(5):349-55.		

		Academic	
Publication types	Name	performance standard	Years
		criteria/Weights	
Journal articles	2. Moek F, Poe P, Charunwatthana P,	12/1	2019
Journal articles	Pan-Ngum W, Wattanagoon Y, Chierakul	12/1	2018
	W. The reliability of the clinical		
	examination in predicting hemodynamic		
	status in acute febrile illness in a		
	tropical, resource-limited setting. Trans R		
	Soc Trop Med Hyg. 2018; 112(4): 200-5.		
laal autiala	3. Phakhounthong K, Chaovalit P,	10/1	2010
Journal articles	Jittamala P, Blacksell SD, Carter MJ,	12/1	2018
	Turner P, Chheng K, Sona S, Kumar V,		
	Day NPJ, White LJ, Pan-Ngum W .		
	Predicting the severity of dengue fever		
	in children on admission based on		
	clinical features and laboratory		
	indicators: application of classification		
	tree analysis. BMC Pediatr. 2018; 18(1): 109.		
Journal articles	4. Thu SWYM, Kijsanayotin B,	12/1	2017
	Kaewkungwal J, Soonthornworasiri N,		
	Pan-Ngum W. Satisfaction with Paper-		
	Based Dental Records and Perception of		
	Electronic Dental Records among Dental		
	Professionals in Myanmar. Healthc		
Journal articles	Inform Res. 2017; 23(4): 304-13.	12/1	2017
Journal articles	5. Chaiteerakij R, Pan-Ngum W ,	12/1	2017
	Poovorawan K, Soonthornworasiri N,		
	Treeprasertsuk S, Phaosawasdi K.		
	Characteristics and outcomes of		
	cholangiocarcinoma by region		
	inThailand: A nationwide study. World J		
	Gastroenterol. 2017; 23(39): 7160-7.		

Publication types	Name	Academic performance standard	Years
		criteria/Weights	
Journal articles	6.Charatcharoenwitthaya P,	12/1	2017
	Soonthornworasiri N, Karaketklang K,		
	Poovorawan K, Pan-Ngum W ,		
	Chotiyaputta W, et al. Factors affecting		
	mortality and resource use for		
	hospitalized patients with cirrhosis: A		
	population-based study. Medicine		
	(Baltimore). 2017; 96(32): e7782.		
Journal articles	7. Pan-Ngum W , Kinyanjui T, Kiti M,	12/1	2017
	Taylor S, Toussaint JF, Saralamba S, et		
	al. Predicting the relative impacts of		
	maternal and neonatal respiratory		
	syncytial virus (RSV) vaccine target		
	product profiles: A consensus modelling		
	approach. Vaccine. 2017; 35(2):403-9.		
Journal articles	8. Sobhonslidsuk A, Poovorawan K,	12/1	2016
	Soonthornworasiri N, Pan-Ngum W,		
	Phaosawasdi K. The incidence,		
	presentation, outcomes, risk of mortality		
	and economic data of drug-induced liver		
	injury from a national database in		
	Thailand: a population-base study. BMC		
	Gastroenterol. 2016; 16(1): 135.		
Journal articles	9. Poovorawan K, Pan-Ngum W , White	12/1	2016
	LJ, Soonthornworasiri N, Wilairatana P,		
	Wasitthankasem R, et al. Estimating the		
	Impact of Expanding Treatment		
	Coverage and Allocation Strategies for		
	Chronic Hepatitis C in a Direct Antiviral		
	Agent Era. PLoS One. 2016; 11(9):		
	e0163095.		

		Academic	
Publication types	Name	performance standard	Years
		criteria/Weights	
Journal articles	10.Poovorawan K, Pan-Ngum W ,	12/1	2018
	Soonthornworasiri N, Kulrat C, Kittitrakul		
	C,Wilairatana P, et al. Burden of Liver		
	Abscess and Survival Risk Score in		
	Thailand: A Population-Based Study. Am		
	J Trop Med Hyg. 2016; 95(3): 683-8.		

Current Teaching Load

TMID	513	Biostatistics	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	515	Epidemiology and Biostatistics in School Health	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

23. Name: Assisstant Professor Dr. Yanin Limpanont Education

Degree	Degree Name	Institute	Year
D.Sc.	Marine Life Science	Jeju National University	2010
		South Korea	
M.S.	Aquatic Animal	Chulalongkorn University	2004
	Medicine		
D.V.M.		Chulalongkorn University	2001

Affiliation: Department of Social and Environmental Medicine, Faculty of Tropical medicine, Mahidol University

Interesting Research Topics or Specialties

Medical Malacology, Environmental Health Impact Assessment

Publications that are not part of any degree study and are complied with the criteria for academic position appointment within 5 years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1. Kang HS, Itoh N, Limpanont Y , Lee	12/1	2019
	HM, Whang I, Choi KS. A Novel		
	Paramyxean Parasite, Marteilia tapetis		
	sp. nov. (Cercozoa) Infecting the		
	Digestive Gland of Manila clam		
	Ruditapes philippinarum from the		
	Southeast Coast of Korea. J Invertebr		
	Pathol. 2019 Mar 21. pii: S0022-		
	2011(18)30201-5.		
	doi:10.1016/j.jip.2019.03.006.		

Publication types Journal articles	Publication Names 2. Deng MH, Zhong LY, Kamolnetr O, Limpanont Y, Lv ZY. Detection of	Academic performance standard criteria /Weights 12/1	Years
	helminths by loop-mediated isothermal amplification assay: a review of updated technology and future outlook. Infect Dis Poverty. 2019 Mar 25;8(1):20. doi: 10.1186/s40249-019-0530-z.		
Journal articles	3. Zhu GL, Tang YY, Limpanont Y , Wu ZD, Li J, Lv ZY. Zoonotic parasites carried by invasive alien species in China. Infect Dis Poverty. 2019 Jan 9;8(1):2. doi: 10.1186/s40249-018-0512-6	12/1	2019
Journal articles	4. Phuphisut O, Ajawatanawong P, Limpanont Y, Reamtong O, Nuamtanong S, Ampawong S, Chaimon S, Dekumyoy P, Watthanakulpanich D, Swierczewski BE, Adisakwattana P. Transcriptomic analysis of male and female Schistosoma mekongi adult worms. Parasit Vectors. 2018 Sep 10;11(1): 504. doi: 10.1186/s13071-018-3086-z.	12/1	2018
Journal articles	5. Thiangtrongjit T, Adisakwattana P, Limpanont Y , Dekumyoy P, Nuamtanong S, Chusongsang P, et al. Proteomic and immunomic analysis of Schistosoma mekongi egg proteins. Exp Parasitol. 2018;191:88-96.	12/1	2018

		Academic	
		performance	. Va
Publication types	Publication Names	standard criteria	Years
		/Weights	
Journal articles	6. Ng TH, Limpanont Y , Chusongsang Y,	12/1	2018
	Chusongsang P, Panha S. Correcting		
	misidentifications and first confirmation		
	of the globally-invasive Physa acuta		
	Draparnaud, 1805 (Gastropoda:		
	Physidae) in Thailand and Laos.		
	Biolnvasions Rec. 2018; doi:		
	10.3391/bir.2018.7.1.03.		
Journal articles	7. Lu XT, Gu QY, Limpanont Y , Song	12/1	2018
	LG, Wu ZD, Okanurak K, et al. Snail-		
	borne parasitic diseases: an update on		
	global epidemiological distribution,		
	transmission interruption and control		
	methods. Infect Dis Poverty. 2018; 7: 28.		
		10/1	0010
Journal articles	8. Rakhmani AN, Limpanont Y ,	12/1	2018
	Kaewkungwal J, Okanurak K. Factors		
	associated with dengue prevention		
	behaviour in Lowokwaru, Malang,		
	Indonesia: a cross-sectional study. BMC		
	Public Health. 2018; 18(1): 619.		

Publication types	Publication Names	Academic performance standard criteria	Years
		/Weights	
Journal articles	5. Mengying Z, Yiyue X, Tong P, Yue H,	12/1	2017
	Limpanont Y, Ping H, et al. Apoptosis		
	and necroptosis of mouse		
	hippocampal and parenchymal		
	astrocytes, microglia and neurons		
	caused by Angiostrongylus cantonensis		
	infection. Parasit Vectors. 2017; 10(1):		
	611.		
Journal articles	6. Sudsandee S, Tantrakarnapa K,	12/1	2017
	Tharnpoophasiam P, Limpanont Y ,		
	Mingkhwan R, Worakhunpiset S.		
	Evaluating health risks posed by heavy		
	metals to humans consuming blood		
	cockles (Anadara granosa) from the		
	Upper Gulf of Thailand. Environ Sci		
	Pollut Res Int. 2017: 1-11.		
Journal articles	7. Rakhmani AN, Okanurak K,	12/1	2017
	Kaewkungwal J, Limpanont Y ,		
	Iamsirithaworn S. Knowledge,		
	perception, and dengue prevention		
	behavior in lowokwaru sub district,		
	urban area in Malang, Indonesia. J		
	Adv Med Med Res. 2017: 3(1): 17-26		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	8. Pakchotanon P, Molee P,	12/1	2017
	Nuamtanong S, Limpanont Y ,		
	Chusongsang P, Limsomboon J, et al.		
	Molecular characterization of serine		
	protease inhibitor isoform 3, SmSPI,		
	from <i>Schistosoma mansoni</i> . Parasitol		
	Res. 2016: 115(8): 2981-94.		
Journal articles	9. Wang T, Zhao M, Rotgans BA, Strong	12/1	2016
	A, Liang D, Ni G, Limpanont Y , et al.		
	Cummins SF: Proteomic Analysis of the		
	Schistosoma mansoni Miracidium. PLoS		
	One. 2016, 11 (1): e0147247.		
Journal articles	10. Sangfuang M, Chusongsang Y,	12/1	2016
	Limpanont Y, Vanichviriyakit R,		
	Chotwiwatthanakun C, Sobhon P, et al.		
	Schistosoma mekongi cathepsin B and		
	its use in the development of an		
	immunodiagnosis. Acta Trop. 2016; 155:		
	11-9.		

Current Teaching Load

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	524	Fundamentals of Environmental Health and Toxicology	2 (2-0-4)
TMSH	528	Environmental Management	2 (2-0-4)
TMSE	529	Principle of Environmental Biotechnology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	524	Fundamentals of Environmental Health and Toxicology	2 (2-0-4)
TMSH	528	Environmental Management	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

24. Name: Lecturer Dr. Amornrat Aroonnual

Education

Degree	Degree Name	Institute	Year
Ph.D.	Biotechnology	Mahidol University	2006
B.Sc.	Biotechnology	Mahidol University	2000

Affiliation: Department of Tropical Nutrition and Food Science, Faculty of Tropical

Medicine, Mahidol University

Interesting Research Topics or Specialties

Food Safety and Microbiolgy

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1: Paratthakonkun C, Kaewprasert S,	12/1	2019
	Arthan D, Soonthornworasiri N,		
	Tungtrongchitr R, Prangthip P,		
	Wongsutthilerd A, Pooudoung S,		
	Chantaranipapong Y, Nakosiri W,		
	Aroonnual A, Chupeerach C, Chanchai		
	S, Nana A. Associations among serum		
	folate, waist-to-hip ratio, lipid profile,		
	and eating habits with homocysteine in		
	an elderly Thai population. Int J Vitam		
	Nutr Res. 2019 Apr 15:1-9.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2: Dowdell P, Chankhamhaengdecha S,	12/1	2019
	Panbangred W, Janvilisri T, Aroonnual A .		
	Probiotic Activity of Enterococcus		
	faecium and Lactococcus lactis Isolated		
	from Thai Fermented Sausages and		
	Their Protective Effect Against		
	Clostridium difficile. Probiotics		
	Antimicrob Proteins. 2019 Mar 19.		
	doi:10.1007/s12602-019-09536-7.		
Journal articles	3. Aroonnual A , Janvilisri T, Ounjai P,	12/1	2017
	Chankhamhaengdecha S. Essays		
	Biochem. 2017; 61(1): 91-101.		
Journal articles	4. Singh AK, Leprun L, Drolia R, Bai X,	12/1	2017
	Kim H, Aroonnual A , et al. Virulence		
	Gene-Associated Mutant Bacterial		
	Colonies Generate Differentiating Two-		
	Dimensional Laser Scatter Fingerprints.		
	Appl Environ Microbiol. 2016; 82(11):		
	3256-68.		

Current Teaching Load

TMSH	505	School Health Management	2 (0-4-2)
TMSH	506	Nutrition Principles for School Children	4 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	5 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

25. Name: Lecturer Dr. Athit Phetrak

Education

Degree	Degree Name	Institute	Year
Ph.D.	Environmental Engineering	The University of Tokyo,	2012
		Japan	
M.Sc.	Environmental Technology	Asian Institute of	2009
	and Management	Technology	
B.Sc.	Public Health	Mahidol University	2006

Affiliation: Department of Social and Environmental Medicine, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Water and health, Drinking water, disinfection by-product, Chemical contaminant in water

Publications that are not part of any degree of study and are complied with the certificate for academic position appointment within 5 years.

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1. Kitkaew D, Phetrak A , Ampawong S,	12/1	2018
	Phihusut D, Mingkhwan R, Okanurak K, et al.		
	Fast and Efficient Removal of Hexavalent		
	Chromium from Water by Iron Oxide		
	Particles. Environ. Nat. Resour. J. 2018; 16		
	(1): 91-100.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2. Yimyam K, Wongrueng A, Rakruam P,	12/1	2017
	Nitayavardhana S, Phetrak A ,		
	Theepharaksapan S, et al. Reduction of DBP		
	Precursors and their THMFPs in Leachate		
	Contaminated Groundwater by PAC		
	Adsorption. Engineering Journal. 2017; 21(4),		
	11-23.		
Journal articles	3. Phetrak A , Lohwacharin J, Takizawa S.	12/1	2016
	Analysis of trihalomethane precursor		
	removal from sub-tropical reservoir waters		
	by a magnetic ion exchange resin using a		
	combined method of chloride concentration		
	variation and surrogate organic molecules.		
	Sci Total Environ. 2016; 539: 165-74.		

Current Teaching Load

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

26. Name: Lecturer Dr. Pannamas Maneekan Education

Degree	Degree Name	Institute	Year
Ph.D.	Tropical Medicine	Mahidol University	2014
M.Sc.	Community Medicine	Chulalongkorn University	1997
B.N.S.	Nursing Science	Chonburi Nursing College	1991

Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Community Medicine, Public Health, School Health

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

		Academic	
Dublication types	Publication Names	performance	Years
Publication types	r abdeation Names	standard criteria	i cai s
		/Weights	
Journal articles	1. Income N, Kosoltanapiwat N, Taksinoros S,	12/1	2019
	Leaungwutiwong P, Maneekan P, Chavez		
	IF. Molecular Identification of Enteroviruses		
	from Cattle and Goat Feces and		
	Environment in Thailand. Appl Environ		
	Microbiol. 2019 Feb 20;85:		
	e02420-18.		

		Academic performance	
Publication types	Publication Names	standard	Years
		criteria	
		/Weights	
Journal articles	2.Suwanmanee S, Surasombatpattana P,	12/1	2018
	Soonthornworasiri N, Hamel R, Maneekan P ,		
	Missé D, Luplertlop N. Monitoring arbovirus		
	in Thailand: Surveillance of dengue,		
	chikungunya and zika virus, with a focus on		
	coinfections. Acta Trop. 2018;188:244-250.		
Journal articles	3. Tuekprakhon A, Nakayama EE,	12/1	2018
	Bartholomeeusen K, Puiprom O, Sasaki T,		
	Huits R, Luplertlop N, Kosoltanapiwat N,		
	Maneekan P, et al. Variation at position 350		
	in the Chikungunya virus 6K-E1 protein		
	determines the sensitivity of detection in a		
	rapid E1-antigen test. Sci Rep. 2018; 8(1):		
	1094.		
Journal articles	4. Norbu W, Wangdi U, Dorji D, Arthan D,	12/1	2017
	Soonthornworasiri N, Maneekan P , et al.		
	Obesity prevalence and contributing factors		
	among adolescents in secondary schools in		
	Pemagatshel district, Bhutan. Int J Adolesc		
	Med Health. 2017; 18;31(1). pii:		
	/j/ijamh.		

Current Teaching Load

TMID	513	Biostatistics	2 (2-0-4)
TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	508	Health Behaviors of School Children	2 (2-0-4)
TMSH	510	School Health Seminar	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	504	School Health Development	2 (1-2-3)
TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	2 (2-0-4)
TMSH	517	Health Behaviors of School Children	2 (2-0-4)
TMSH	514	School Health Seminars	2 (2-0-4)
TMSH	511	Special Topic in School Health Based Research	2 (2-0-4)
TMSH	518	Instructional Media Design for School Health Promotion	2 (1-2-3)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

27. Name: Lecturer Dr. Pimphen Charoen Education

Degree	Degree Name	Institute	Year
Ph.D.	Statistical Genetics	Imperial College London, UK	2014
M. Phil	Statistical Genetics	University of Cambridge, UK	2008
M.Sc.	Applied Mathematics	University of New South 2005	
		Wales, Australia	
B.Sc.	Mathematics	Mahidol University	2002

Affiliation: Department of Tropical Hygiene, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Statistical Genetics, Genome-wide association Studies, Causal Inference using multiple Genetic varients, Cadiovasular Disease Traits

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1. Macare C, Ducci F, Zhang Y, Ruggeri B, Jia	12/1	2018
	T, Kaakinen M, Kalsi G, Charoen P , et al. A		
	neurobiological pathway to smoking in		
	adolescence: TTC12-ANKK1-DRD2 variants and		
	reward response. Eur Neuropsychopharmacol.		
	2018; 28(10): 1103-14.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2. Darlow JM, Darlay R, Dobson MG, Stewart A, Charoen P , Southgate J, et al. Publisher Correction: Genome-wide linkage and association study implicates the 10q26 region as a major genetic contributor to primary nonsyndromic vesicoureteric reflux. Sci Rep. 2018; 8(1): 459.	12/1	2018
Journal articles	3. Charoen P , Nitsch D, Engmann J, Shah T, White J, Zabaneh D, et al. Mendelian Randomisation study of the influence of eGFR on coronary heart disease. Sci Rep. 2016; 6: 28514.	12/1	2016
Journal articles	4. McLachlan S, Giambartolomei C, White J, Charoen P, Wong A, Finan C, et al. Replication and Characterization of Association between ABO SNPs and Red Blood Cell Traits by Meta-Analysis in Europeans. PLoS One. 2016; 11(6): e0156914	12/1	2016

Current Teaching Load

TMID	513	Biostatistics	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	515	Epidemiology and Biostatistics in School Health	2 (2-0-4)
TMID	544	Research Methodology	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

28. Name: Lecturer Dr. Suparat Phuanukoonnon

Education

Degree	Degree Name	Institute	Year
Ph.D.	Tropical Health	University of Queensland,	2003
		Australia	
M.H.S	Environmental health	Queensland University of	1998
		Technology, Australia	
B.N.S.	Nursing	Boromarajonani College of	1990
		Nursing Lampang	

Affiliation: Department of Social and Environmental Medicine, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Health promotion, Behaviour science, Public health, Community intervention impact assessment

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1: Saita S, Silawan T, Parker DM, Sriwichai P,	12/1	2019
	Phuanukoonnon S, Sudathip P, Maude RJ,		
	White LJ, Pan-Ngum W. Spatial Heterogeneity		
	and Temporal Trends in Malaria on		
	the Thai Myanmar Border (2012 2017): A		
	Retrospective Observational Study. Trop		
	Med Infect Dis. 2019: 12; E62.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2: Gouda HN, Hazard RH, Maraga S, Flaxman AD, Stewart A, Joseph JC, Rarau P, Wangnapi R, Poka H, Serina P, Phuanukoonnon S, Pham BN, Vano M, Lupiwa S, Sie A, Kave H, Lehmann D, Siba P, Lopez AD, Riley ID. The epidemiological transition in Papua New Guinea: new evidence from verbal autopsy studies. Int J Epidemiol. 2019 Mar 26. pi: dyz018.	12/1	2019
Journal articles	3: Saita S, Pan-Ngum W, Phuanukoonnon S , Sriwichai P, Silawan T, White LJ, Parker DM. Human population movement and behavioural patterns in malaria hotspots on the Thai-Myanmar border: implications for malaria elimination. Malar J. 2019 Mar 8; 18: 64.	12/1	2019

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	4.Rarau P, Vengiau G, Gouda H, Phuanukoonon	12/1	2017
	S, Kevau IH, Bullen C, et al. The Prevalence of		
	Non-Communicable Disease risk factors in		
	three sites across Papua New Guinea: A Cross-		
	sectional study. BMJ Global Health. 2017; 2(2):		
	e000221		
Journal articles	5.Emori R, Vallely AJ, Gouda H, Siba P,	12/1	2017
	Phuanukoonnon S, Mola G, et al. Women's		
	recall of provision of antenatal care in Papua		
	New Guinea: Findings of a maternal and infant		
	health survey conducted in three provinces. P		
	N G Med J. 2017; 60(1-2): 15-26.		
Journal articles	6. Emori R, Vallely AJ, Gouda H, Siba P,	12/1	2017
	Phuanukoonnon S, Mola G, et al. Supervised		
	and unsupervised birth and early newborn care		
	practices in Papua New Guinea: Findings of a		
	maternal and infant health survey conducted		
	in three provinces. P N G Med J. 2017; 60(1-2):		
	27-40		
Journal articles	7. Morita A, Natsuhara K, Vengiau G, Chia-Jung	12/1	2017
	Chen C, Odani S, Inaoka T, Tadokoro K, Suda K,		
	Furusawa T, Siba P, Phuanukoonnon S , et al.		
	Reduced morning cortisol concentration in		
	saliva was associated with obesity: Evidence		
	from community-dwelling adults in papua new		
	guinea. Am J Hum Biol. 2016; 28 (4): 587 - 90.		

		Academic	
Dublication to man	Publication Names	performance	V2272
Publication types	Fublication Names	standard criteria	Years
		/Weights	
Journal articles	5. Vallely LM, Toliman P, Ryan C, Rai G, Wapling	12/1	2017
	J, Tomado C, Huliafi S, Munnull G, Rarau P,		
	Phuanukoonnon S, et al. Prevalence and risk		
	factors of Chlamydia trachomatis, Neisseria		
	gonorrhoeae, Trichomonas vaginalis and other		
	sexually transmissible infections among women		
	attending antenatal clinics in three provinces in		
	Papua New Guinea: a cross-sectional survey. Sex		
	Health. 2016; 13(5): 420-7.		
Journal articles	8. Aho C, Michael A, Yoannes M, Greenhill AR,	12/1	2017
	Jacoby P, Reeder, J, Pomat W, Saleu G, Namuigi		
	P, Phuanukoonnon S, et al. Limited impact of		
	neonatal or early infant schedules of 7-valent		
	pneumococcal conjugate vaccination on		
	nasopharyngeal carriage of Streptococcus		
	pneumoniae in Papua New Guinean children: a		
	randomized controlled trial. Vaccine Rep. 2016;		
	6: 36-43.		
Journal articles	9. Longley RJ, Sripoorote P, Chobson P, Saeseu	12/1	2017
	T, Sukasem C, Phuanukoonnon S , et al . High		
	Efficacy of Primaquine Treatment for		
	Plasmodium vivax in Western Thailand. Am J		
	Trop Med Hyg. 2016; 95(5): 1086-9.		
	<u> </u>		

Current Teaching Load

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	503	School Environment Management	2 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

29. Name: Lecturer Dr. Sarunya Kaewprasert

Education

Degree	Degree Name	Institute	Year
Ph.D.	Nutritional Biochemistry	Hokkaido University, Japan	2002
M.Sc.	Nutritional Biochemistry	Hokkaido University, Japan	1999
B.Sc	Biotechnology	Mahidol University	1997

Affiliation: Department of Tropical Nutrition & Food Science, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Holistic Health, Community Nutrition, Biochemical Nutrition, Food Science and Biotechnology

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1.Paratthakonkun C, Kaewprasert S , Arthan	12/1	2019
	D, Soonthornworasiri N, Tungtrongchitr R,		
	Prangthip P, Wongsutthilerd A, Pooudoung S,		
	Chantaranipapong Y, Nakosiri W, Aroonnual		
	A, Chupeerach C, Chanchai S, Nana A.		
	Associations among serum folate, waist-to-		
	hip ratio, lipid profile, and eating habits with		
	homocysteine in an elderly Thai population.		
	Int J Vitam Nutr Res. 2019;15:1-9.		

		Academic	
Publication types	Publication Names	performance	Years
Tublication types	r abtication Names	standard criteria	icais
		/Weights	
Journal articles	2. Suriyaprom K, Kaewprasert S ,	12/1	2019
	Putpadungwipon P, Namjuntra P,		
	Klongthalay S. Association of antioxidant		
	status and inflammatory markers with		
	metabolic syndrome in Thais.		
	J Health Popul Nutr. 2019: 3;38(1):1.		
Journal articles	3. Khuntamoon T, Thepouyporn	12/1	2019
	A, Kaewprasert S , Prangthip P, Pooudoung S,		
	Chaisri U, Maneesai P, Kwanbunjan K. Thai		
	generic-brand dry canine foods: mutagenicity		
	and the effects of feeding in vivo and in		
	vitro. BMC Vet Res. 2016; 20; 12:17.		

Current Teaching Load

TMSH	505	School Health Management	2 (0-4-2)
TMSH	506	Nutrition Principles for School Children	6 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	7 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Full time instructors

1. Assistant Professor Dr. Watcharee Arunsodsai

Degree	Degree Name	Institute	Year
Ph.D.	Infectious and Tropical	University of London, UK	2005
	Diseases		
Diploma of Infectious Diseases		International Medical Center of 1998	
		Japan, Japan	
Dip. Thai Board of Tropical Medicine and		Mahidol University	1996
Hygiene			
Dip. Thai Board of Pediatrics		Thai Medical Council	1993
M.D.	Mahidol U		1987

Affiliation: Department of Pediatrics, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Malaria in children, Dengue infection, Diarrhea Vaccines, Parasitic infections, Virus

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	1. Chanthavanich P, Limkittikul K, Sirivichayakul	12/1	2018
	C, Chokejindachai W, et al. Immunogenicity and		
	safety of inactivated chromatographically purified		
	Vero cell-derived Japanese encephalitis vaccine		
	in Thai children. Hum Vaccin Immunother 2018;		
	14(4): 900-905.		

Publication types	Publication Names	Academic performance standard criteria /Weights	Years
Journal articles	2: Tareen Z, Jirapradittha J, Sirivichayakul	12/1	2017
	C, Chokejindachai W , Rafiqi N. Factors		
	Associated with Mortality Outcomes in		
	Neonatal Septicemia in Srinagarind Hospital,		
	Thailand. Neonat Pediatr Med 2017; 3: 131.		

Current Teaching Load

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)
TMSH	502	Diseases in School Children	3 (2-2-5)

Assigned Teaching Load for the Proposed Program

TMSH	502	Diseases in School Children	3 (2-2-5)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

2. Name: Lecturer Dr. Pornrutsami Jintaridh

Education

Degree	Degree Name	Institute	Year
Ph.D.	Biochemistry	Mahidol University	2005
M.Sc.	Nutrition	Mahidol University	1995
B.Sc.	Nursing	Chulalongkorn University	1986

Affiliation: Department of Tropical Nutrition & Food Science, Faculty of Tropical Medicine, Mahidol University

Interesting Research Topics or Specialties

Epigenetics, Nutrition and Elderly

Publications that are not parts of any degree study and are complied with the criteria for academic position appointment within 5 Years

		Academic	
		performance	
Publication types	Publication Names	standard	Years
		criteria	
		/Weights	
Journal articles	1: Patchsung M, Settayanon S, Pongpanich	12/1	2018
	M, Jintarith P , Mutirangura D, Mutirangura A.		
	Alu siRNA to increase Alu element		
	methylation and prevent DNA damage.		
	Future Medicine. 2018; 10:175-185.		

Current Teaching Load

TMSH	505	School Health Management	2 (0-4-2)
TMSH	506	Nutrition Principles for School Children	8 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Assigned Teaching Load for the Proposed Program

TMSH	505	School Health Management	2 (0-4-2)
TMSH	513	Nutrition Principles for School Children	9 (2-0-4)
TMSH	697	Thematic paper	6 (0-18-0)
TMSH	698	Thesis	12 (0-36-0)

Appendix C

Curriculum Mapping

Appendix C Curriculum Mapping

 Major responsibility 	O Minor responsibility
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Subjects		Adams line and Pink lan	Morality and Ethics	Knowledge development			menectual developments				interpersonal Relationship		Mathematical	Analytical Thinking communication skills, and information technology skills
		1.1	1.2	2.1	3.1	3.2	3.3	3.4	3.5	4.1	4.2	4.3	5.1	5.2
1. Required	Courses													
TMSH 502	Diseases in School Children			•	0	•	•	0	0					0
TMSH 503	School Environment	0	0	•	•	•			•	•	0	0		0
	Management													
TMSH 504	School Health Development	•	•	•	•	•	•	0	•	•	•			•
TMSH 505	School Health Management	•	•	•	•	•	•	•	•	•	•	•	•	•
TMSH 512	Health Issues in Schools	0	0	•	•	•	0	0	0	0	•	0		
TMSH 513	Nutrition Principles for School	0		•	•	•	0	0	0	0	0	•	•	•
	Children													
TMSH 514	School Health Seminars	•	•	•	•	•	•	0	0	0	0	0	•	•
TMSH 515	Epidemiology and Biostatistics	0	0	•	•	•	•	•	0	0	•	0	•	•
	in School Health													
TMID 544	Research Methodology	•	•	•	•	•	•			•	•		•	•
2. Elective	courses													
TMSH 511	Special Topics in School-	•	•	•	•	•	•	0	0				•	•
	Health Based Research													
TMSH 516	Food for School Children	0		•	•	•	0	0	0	0	0	0	0	•

Subjects		Movelity on Ethio		Knowledge development			ntertectual developments				Interpersonal Relationship		Mathematical	Analytical Thinking communication skills, and information technology skills
		1.1	1.2	2.1	3.1	3.2	3.3	3.4	3.5	4.1	4.2	4.3	5.1	5.2
TMSH 517	Health Behaviors of School	0	0	•	•	•	•	•	•	•	•	0	0	•
	Children													
TMSH 518	Instructional Media	0	0	•	•	•	•	•	•	0	•	•		•
	Design for School													
	Health Promotions													
TMSE 524	Principle of Environmental			•	•	•	0	•	•	•			•	•
	Health and Toxicology													
TMSE 528	Environmental Management	0	0	•	•	0	0	•	•	•			•	•
TMHG 549	Application of Geographical	•	•	•	•			0	0	•	•		•	•
	Information System (GIS) in													
	Epidemiology													
TMCD 519	AIDS	•	0	•	•	•	0						•	0
TMNU 506	Nutrition	0		•	•	•	0			0	0	•	•	•
3. Thesis/Th	3. Thesis/Thematic paper													
TMSH 697	Thematic Paper	•	•	•	•	•	•	•	•	•	•	•	•	•
TMSH 698	Thesis	•	•	•	•	•	•	•	•	•	•	•	•	•

Table of Relationship between Learning Outcomes of the Program and Core Value of Mahidol University

Learning Outcomes	Core value of Mahidol University					
1. Morality and Ethics: Students have to have moral and ethics, be able to live with others, and focus						
on benefits of others.						
1.1 Demonstrate good moral	Integrity, Altruism					
1.2 Demonstrate the school heath situation and solve	Integrity, Altruism, Determination,					
health problems in schools with ethical consideration	Leadership					
2. Knowledge development: Students will be knowledgeable						
2.1 Describe school health problems using theory and	Mastery, Altruism, Determination,					
practice for academic and professional development	Originality					
3. Intellectual development: Students become self-directed and	autonomous thinker					
3.1 Apply school health knowledge and create concept idea	Mastery, Altruism, Determination,					
for school health project	Originality					
3.2 Identify the current challenges affecting school health	Mastery, Integrity, Determination,					
	Originality, Leadership					
3.3 Demonstrate sharing knowledge, providing health	Altruism, Harmony, Integrity,					
counseling for the benefit of school health development	Leadership					
projects						
3.4 Design creative activities for health in school promotion	Mastery, Altruism, Harmony, Integrity,					
effectively	Determination, Originality, Leadership					
3.5 Design plans and implement the school health	Mastery, Altruism, Determination,					
development projects themselves	Originality					
4. Interpersonal relationship and responsibility: Students must	have good behaviors and interpersonal					
relationship. They should be responsible for their work, self-respe	cted, and respect to others					
4.1 Work effectively with others and have a good	Mastery, Harmony, Integrity,					
relationship	Determination, Leadership					
4.2 Handle their assignments effectively and with discipline,	Mastery, Integrity, Determination					
responsibility	Leadership					
4.3 Manage teamwork for school health actioning	Mastery, Altruism, Harmony, Integrity,					
	Determination, Originality, Leadership					
5. Mathematical analytical thinking, communication skills, and	information technology skills					
5.1 Apply statistical tools to analyze school health data	Mastery, Altruism, Determination					
5.2 Apply information technology to analyze and present	Mastery, Harmony, Integrity,					
data for the research appropriately.	Determination, Originality, Leadership					

The Mahidol University Council has approved the adjusted program in its 552nd meeting on January 15 , 2020

Appendix D

Program Learning Outcomes

Appendix D Program Learning Outcomes

Table 1: Comparison between before and after revised objective of the Program

Objectives of the Program 2014	Revised Objectives of the Program 2020			
1. Graduates have ethics and responsibility	Morality and Ethics:			
in analysis and solving school health	1. Demonstrate integrity, good moral and self-			
problems.	sacrifice for the welfare of the school			
	community.			
2. Graduates have gain various knowledge	Knowledge development:			
on health science, nutrition and	2. Demonstrate competency in current contents			
environment and are able to apply these	of school health knowledge			
knowledge to set up research plans and				
new knowledge.				
3. Graduates are able to define school	Intellectual development:			
health problems and set up plans for school	3. Apply knowledge gained and skills in			
health improvement.	recognizing problems, and plan, implement,			
	manage and evaluate the impact of school			
	health development projects			
4. Graduates have good interpersonal	International Relationship and Responsibility:			
relationship and are able to make a	4. Work cooperatively with leadership and high			
teamwork	responsibility for assigned work			
5. Graduates are able to analyses statistical	Mathematical Analytical Thinking,			
data and use IT skill to search for advanced	Communication skills and Information:			
knowledge and present their information	5. Apply statistic analytical thinking and			
appropriately.	information technology to search for work,			
	communication and presentation effectively.			

Table 2: Relationship between objectives of the Program and expected learning outcome

Objectives of the Program	Program Learning Outcomes*				·s*
	1	2	3	4	5
1. Demonstrate integrity, good moral and	✓		√	✓	✓
self-sacrifice for the welfare of the school					
community.					
2. Demonstrate competency in current		√	√		√
contents of school health knowledge					
3. Apply knowledge gained and skills in		√	√	\checkmark	✓
recognizing problems, and plan, implement,					
manage and evaluate the impact of school					
health development projects					
4. Work cooperatively with leadership and	√	✓	√	√	
high responsibility for assigned					
5. Apply statistic analytical thinking and	✓	√	√		✓
information technology to search for work,					
communication and presentation effectively					

- PLO1 Demonstrate moral and ethical manners in school-health-based research.
- PLO2 Describe comprehensive knowledge of school health.
- PLO3 Apply knowledge gained and skills in health promotion, health prevention, health education, and health management, to solve health problems in schools and communities.
 - PLO4 Facilitate either as leaders or followers to complete the collaborative works
- PLO5 Apply appropriate scientific methods including statistical methods and information technology in school health.

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Table 3: Standard domains of learning outcome and Program Learning Outcomes

Domains	Standard Learning Outcomes (TQF)	Program Learning Outcomes				
		PLO1	PLO2	PLO3	PLO4	PLO5
þ	1.1 Demonstrate good moral	✓				✓
Morality and Ethics	1.2 Demonstrate the school heath situation	✓		✓		✓
orality a Ethics	and solve health problems in schools with					
Š	ethical consideration					
Jge	2.1 Describe school health problems using		✓	✓	✓	
Knowledge	theory and practice for academic and					
Kno	professional development					
	3.1 Apply school health knowledge and			✓		✓
	create concept idea for school health					
	project					
	3.2 Identify the current challenges			✓	✓	✓
ent	affecting school health					
шдо	3.3 Demonstrate sharing knowledge,			✓	✓	✓
evel	providing health counseling for the					
ial D	benefit of school health development					
ntellectual Development	projects					
Intel	3.4 Design creative activities for health		✓	✓		
	promotion in school effectively					
	3.5 Design plans and implement the	✓		✓	✓	✓
	school health development projects					
	themselves					
dic	4.1 Work effectively with others and have			✓	✓	
Interpersonal Relationshi and Responsibility	a good relationship					
Relat	4.2 Handle their assignments effectively			✓	✓	
rpersonal Relation and Responsibility	and with discipline, responsibility					
perso	4.3 Manage teamwork for school health			✓	✓	
Inter	actioning					
E,	5.1 Apply statistical tools to analyze	✓		✓		✓
Math, Communication, IT Skills	school health data					
Math, iunicati Skills	5.2 Apply information technology to	✓		✓		✓
mmı	analyze and present data for the research					
Col	appropriately.					

Table 4: Learning and Assessment Strategies for Program Learning Outcomes Evaluation

1	,
- Practice	- Observation
- Problem solving,	- Performance
- Field of study	assessment using rubric
- Proposal, Thesis/Thematic	scoring
paper writing	- Ethical approval
	- Defense of proposal &
	thesis/thematic paper
- Lecture,	- Examination
- Problem solving,	(Written/MCQ)
- Work Assignment,	- Comprehensive
- Case study and discussion	Examination
via school visit	- Rubric scoring for
-Field of study	problem solving, work
	assessment and case
	based learning
- Field of study	- Rubric scoring
- Work Assignment,	assessment for problem,
- Q&A, Discussion,	solving during field
- Research conduct including	practicum and research
paper presentation/writing	conduct
thesis/thematic	- Defense of thematic
	paper /thesis
	 - Problem solving, - Field of study - Proposal, Thesis/Thematic paper writing - Lecture, - Problem solving, - Work Assignment, - Case study and discussion via school visit - Field of study - Work Assignment, - Gase study and discussion via school visit - Field of study - Research conduct including paper presentation/writing

Expected Outcome	Teaching Strategies	Evaluation Strategies
PLO4: Facilitate either as leaders	- School visit	Observation and rubric
or followers to complete the	- Field of study	scoring assessment for
collaborative works	- Research conduct including	quality and completeness
	paper presentation/writing	of assignment in school
	thesis/thematic	visit/field practicum and
		research conduct
PLO5: Apply appropriate scientific	-Presentation of proposal, and	Observation & Rubric
methods including statistical	defense of Thesis/Thematic	scoring assessment for
methods and information	paper	presentation and
technology in school health.	- Field of study	informatics

Table 5: Relationship between Courses of the Program and Program Learning Outcomes

Code	Name	Credit	PLOs				
			1	2	3	4	5
1. Required	Courses					•	
TMSH 502	Diseases in School Children	3 (2-2-5)		I	I	I	
TMSH 503	School Environment Management	2 (2-0-4)	I	I	R	R	
TMSH 504	School Health Development	2 (1-2-3)	I	R	R	R	
TMSH 505	School Health Management	2 (2-0-4)	I	М	Р	R	Р
TMSH 512	Health Issues in Schools	3 (3-0-6)	I	R	R	I	
TMSH 513	Nutrition Principles for School Children	2 (2-0-4)		R	R	R	Р
TMSH 514	School Health Seminars	2 (2-0-4)	Р	Р	Р		Р
TMSH 515	Epidemiology and Biostatistics in	2 (2-0-4)	I	R	Р	R	Р
	School Health						
TMID 544	Research Methodology	2 (2-0-4)	Р	R	Р	Р	Р
2. Elective	courses						
TMSH 511	Special Topics in School-Health Based	2 (2-0-4)	Р	R	Р	R	Р
	Research						
TMSH 516	Food for School Children	2 (2-0-4)		R	R	R	
TMSH 517	Health Behaviors of School Children	2 (2-0-4)	R	R	Р	R	I
TMSH 518	Instructional Media Design for School	2 (1-2-3)	R	Р	Р	Р	R
	Health Promotions						
TMSE 524	Principle of Environmental Health and	2 (2-0-4)	I	R	R	R	I
	Toxicology						
TMSE 528	Environmental Management	2 (2-0-4)	I	R	Р	R	I
TMHG 549	Application of Geographical	2 (1-2-3)	I	R	R	R	I
	Information System (GIS) in						
	Epidemiology						
TMCD 519	AIDS	2 (2-0-4)	I	I	I	I	
TMNU 506	Nutrition	2 (2-0-4)	I	R	R	R	Р

Code	Name	Credit	PLOs				
			1	2	3	4	5
3.Thematic	paper						
TMSH697	Thematic Paper	6 (0-18-0)	М	М	М	М	М
4. Thesis							
TMSH698	Thesis	12 (0-36-0)	М	М	М	М	М

I = ELO is introduced & assessed R = ELO is reinforced & assessed P = ELO is practiced & assessed M = Level of Mastery is assessed

Table 6: The expectation of learning outcomes at the end of the academic year.

Plan A2

Year of study	Knowledge, skills, and any other expected learning outcomes
1 st	- Demonstrate discipline, responsibility and good moral for analyzing the school heath situation and solving health problems in schools
	 Describe comprehensive knowledge of school health and health sciences in schools Apply knowledge gained and skills in health promotion, health prevention, health education, and health management, to solve health problems in schools and communities
	- Work effectively with others and have a good relationship
2 nd	 Apply statistical tools to analyze school health data Apply information technology to analyze and present data for the research appropriately Work effectively with others and have a good relationship Conduct school health research using appropriate scientific methods, statistic programs, and information technology

Plan B

Year of	Knowledge, skills, and any other expected learning outcomes
study	
1 st	 Demonstrate discipline, responsibility and good moral for analyzing the school heath situation and solving health problems in schools Describe comprehensive knowledge of school health and health sciences in schools Apply knowledge gained and skills in health promotion, health prevention, health education, and health management, to solve health problems in schools and communities. Work effectively with others and have a good relationship. Apply statistical tools to analyze school health data Apply information technology to analyze and present data for the research appropriately Conduct school health research using appropriate scientific methods, statistic programs, and information technology

Appendix E

The Revised Curriculum

Appendix E

The Revision of Master of Science Program in School Health Volume B.E. 2557 Faculty of Tropical Medicine and Faculty of Graduate Studies, Mahidol University

1.	The Curriculum was approved by the Office of the Higher Education Commission
	on

- 2. The Mahidol University Council has approved this revised curriculum in the 552 meeting on January 15,2020
- 3. The revised curriculum will be effective with student class 2020 from the first semester of the Academic Year 2020 onwards.

4. Rationale of revision

- 4.1 The curriculum is revised to be in accordance with Thai Qualification Framework for Higher Education B.E. 2552
- 4.2 The curriculum is revised to update the structure of the curriculum to follow outcome-based education principles.
- 4.3 The curriculum is revised to restructure the courses and teaching method according to change in technology, needs and expectations of stakeholders.
- 4.4 The curriculum is revised to update names of faculties in charge of the program, full-time and part-time instructors of the program.

5. The details of the revision

- 5.1 Re-define the program objectives.
- 5.2 Restructure of study plan
- 5.3 Update names of faculties in charge of the program and full-time instructor of the program as the followings:
 - 5.3.1 Update list of faculties in charge of the program

Current	Revised
Associate Professor Dr. Suwalee Worakhunpiset	Associate Professor Dr. Suwalee Worakhunpiset
Assistant Professor Dr. Dumrongkiet Arthan	Assistant Professor Dr. Dumrongkiet Arthan
Assistant Professor Dr.Prapin Tharnpoophasiam	
	Assistant Professor Dr. Supaluk Popruk

5.3.2 Update list of full-time instructor of the program

Current	Revised
	Professor Dr.Rungsunn Tungtrongchitr
	Associate Professor Dr. Aongart Mahittikorn
	Associate Professor Chukiat Sirivichayakul
	Associate Professor Dr. Direk Limmathurotsakul
	Associate Professor Dr. Dorn Watthanakulpanich
	Associate Professor Dr. Karunee Kwanbunjan
	Associate Professor Dr. Kraichat Tantrakarnapa
	Associate Professor Kriengsak Limkittikul
Associate Professor Dr. Paron Dekumyoy	Associate Professor Dr. Paron Dekumyoy
Associate Professor Dr. Suwalee Worakhunpiset	Associate Professor Dr. Suwalee Worakhunpiset
	Associate Professor Dr. Thareerat Kalambaheti
Assistant Professor Dr.Prapin Tharnpoophasiam	
Assistant Professor Dr. Dumrongkiet Arthan	Assistant Professor Dr. Dumrongkiet Arthan
	Assistant Professor Dr. Jittima Dhitavat
	Assistant Professor Dr. Kobporn Boonnak
	Assistant Professor Dr. Ngamphol Soontornworasiri
Assistant Professor Dr. Pattaneeya Prangthip	Assistant Professor Dr. Pattaneeya Prangthip
	Assistant Professor Dr. Saranath Lawpoolsri Niyom
	Assistant Professor Dr. Supaluk Popruk
	Assistant Professor Dr. Supawat Chatchen
	Assistant Professor Weerawan Hattasingh
	Assistant Professor Dr. Wirichada Pan-ngum
	Assistant Professor Dr. Yanin Limpanont
	Lecturer Dr. Amornrat Aroonnual
	Lecturer Dr. Athit Phetrak
	Lecturer Dr. Pannamas Maneekan

Current	Revised
	Lecturer Dr. Pimphen Charoen
	Lecturer Dr. Suparat Phuanukoonnon
	Lecturer Dr. Sarunya Kaewprasert

5.3 Restructure courses in the program

The Comparison Table of Courses between the Current Program and Revising Program

Courses of Current Program			Courses of Revised Program		Remark	
Required Course			Required Course			-
Plan A2 : 2	20 Credits		Plan A2: 2	20 Credits		
Plan B : 2	24 Credits		Plan B : 2	20 Credits		
TMSH 501	Health Issues in School	3 (3-0-6)	TMSH 512	Health Issues in Schools	3 (3-0-6)	revised course
31192 & Oo	ประเด็นสุขภาพในโรงเรียน		3192 Ç OP	ประเด็นสุขภาพในโรงเรียน		code and course
						description
TMSH 502	Diseases in School Children	3 (2-2-5)	TMSH 502	Diseases in School Children	3 (2-2-5)	revised name of
3192 Ç Ob	โรคในเด็กวัยเรียน		3192 ÇOP	โรคที่เกิดกับเด็กวัยเรียน		Thai course
						description
TMSH503	School Environment	2 (2-0-4)	TMSH503	School Environment	2 (2-0-4)	revised
	Management			Management		course
วขอร ๕๐๓	การจัดการสิ่งแวดล้อมโรงเรียน		วขอร ๕๐๓	การจัดการสิ่งแวดล้อมโรงเรียน		description
TMSH 504	School Health	2 (1-2-3)	TMSH 504	School Health	2 (1-2-3)	revised
	Development			Development		course
31105 ÇOC	การพัฒนาอนามัยโรงเรียน		วขอร ๕๐๔	การพัฒนาอนามัยโรงเรียน		description
TMSH 505	School Health	2 (0-4-2)	TMSH 505	School Health	2 (0-4-2)	revised
	Management			Management		course
31105 ÇOĞ	การจัดการอนามัยโรงเรียน		2105 ÇOĞ	การจัดการอนามัยโรงเรียน		description
TMSH 506	Nutrition Principle for	2 (2-0-4)	TMSH 513	Nutrition Principles for	2 (2-0-4)	revised
	School Children			School Children		code course
31192 Ç OP	หลักโภชนศาสตร์สำหรับเด็ก		วขอร ๕๑๓	หลักโภชนศาสตร์สำหรับเด็ก		and course
	วัยเรียน			วัยเรียน		description
TMSH 510	School Health Seminar	2 (2-0-4)	TMSH 514	School Health Seminars	2 (2-0-4)	revised
71105 & 00	สัมมนาอนามัยโรงเรียน		วขอร ๕๑๔	สัมมนาอนามัยโรงเรียน		code course
						and course
						description

						QF Z	
Courses of Current Program			Courses of Revised Program			Remark	
TMID 544 วขสว ๕๔๔	Research Methodology วิทยาระเบียบวิธีวิจัย	2 (2-0-4)	TMID 544	Research Methodology วิทยาระเบียบวิธีวิจัย	2 (2-0-4)	Unchanged	
TMID 513 วขสว ๕๑๓	Biostatistics ชีวสถิติ	2 (2-0-4)			I	Cancelled	
TMSH 507 วขอร ๕๐๗	Food in School Health อาหารสำหรับเด็กวัยเรียน	2 (2-0-4)				Moved to Elective Course	
TMSH 508 ೧೪೧೯ ೬೦ಡ	Health Behavior พฤติกรรมสุขภาพ	2 (2-0-4)				Moved to Elective Course	
			TMSH 515 วขอร ๕๑๕	Epidemiology and Biostatics in School Health วิทยาการระบาดและชีวสถิติทาง อนามัยโรงเรียน	2 (2-0-4)	New course	
2) Elective	course		2) Elective course				
Plan A2 no	ot less than 4 Credits		Plan A2 not less than 4 Credits				
Plan B not less than 6 Credits			Plan B no	ot less than 10 Credits		,	
TMSH 509 วขอร ๕๐๙	Literature Review การทบทวนวรรณกรรม	1 (0-2-1)				Closed	
TMSE 501 วชวส ๕๐๑	Social Science Research Methodology ระเบียบวิธีวิทยาการวิจัยทาง สังคมศาสตร์	2 (2-0-4)				Cancelled	
TMSE 503	Social Epidemiology	2 (2-0-4)				Cancelled	
วขวส ๕๐๓	วิทยาการระบาดทางสังคม						
TMSE 504	Current Problems in Medical Social Sciences	2 (2-0-4)				Cancelled	
ગુગાત ૯૦૯	ปัญหาปัจจุบันทางสังคมศาสตร์ การแพทย์						
TMSE 523	Environmental Health Impact Assessment การประเมินผลกระทบสุขภาพ สิ่งแวดล้อม	2 (1-2-3)				Cancelled	
TMSE 527	Impact of Climate Change on Health	2 (2-0-4)				Cancelled	

	Courses of Current Program			Courses of Revised Program		Remark
วขวส ๕๒๗	ผลกระทบการเปลี่ยนแปลง					
	สภาวะอากาศต่อสุขภาพ					
TMSE 529	Principle of Environmental	2 (2-0-4)				Cancelled
	Biotechnology					
೨೩೨೪ ೯,೦೪	หลักการทางเทคโนโลยีชีวภาพ					
	สิ่งแวดล้อม					
TMSH 511	Special Topics in School-	2 (2-0-4)	TMSH 511	Special Topics in School-	2 (2-0-4)	revised name
	Health Based Research			Health Based Research		of Thai
ଅପ୍ତଃ ଝ୍ ଡ଼	หัวข้อพิเศษงานวิจัยด้านอนามัย		วขอร ๕๑๑	หัวข้อพิเศษการวิจัยบนพื้นฐาน		course
	โรงเรียน			ของอนามัยโรงเรียน		description
			TMSH 516	Food for School Children	2 (2-0-4)	Move from
			วขอร ๕๑ ๖	อาหารสำหรับเด็กวัยเรียน		required course
						and revised
						course code
						and course
						description
						(THSH 507)
			TMSH 517	Health Behaviors of School	2 (2-0-4)	Move from
				Children		required course
			ୗଶ୍ର ଥି ହେଥା	พฤติกรรมสุขภาพของเด็กวัยเรียน		and revised
						course code
						and course
						description
						(THSH 508)
			TMSH 518	Instructional Media	2 (1-2-3)	New course
				Design for School		
				Health Promotions		
			3 119 2 ६ ७५	การออกแบบสื่อการสอนเพื่อ		
				การส่งเสริมอนามัยโรงเรียน		
			TMSE 524	Principles of Environmental	2 (2-0-4)	Unchanged
				Health and Toxicology		
			೨೩೨೪ ೯,೯೬	หลักการทางสุขภาพสิ่งแวดล้อม		
	1	T		และพิษวิทยา		
TMSE 528	Environmental	2 (2-0-4)	TMSE 528	Environmental	2 (2-0-4)	Unchanged
	management			management		
೨೩೨೩ ೯,೬୯	การจัดการสิ่งแวดล้อม		೨೩೨೩ ೯,೬୯	การจัดการสิ่งแวดล้อม		

Courses of Current Program			Courses of Revised Program			Remark
TMHG 549	Application of Geographical Information System (GIS) in	2 (1-2-3)	TMHG 549	Application of Geographical Information System (GIS) in	2 (1-2-3)	Unchanged
	Epidemiology			Epidemiology		
วขสข ๕๔๙	การประยุกต์ระบบสารสนเทศ		วขสข ๕๔๙	การประยุกต์ระบบสารสนเทศ		
	ภูมิศาสตร์ในวิทยาการระบาด			ภูมิศาสตร์ในวิทยาการระบาด		
TMCD 519	AIDS	2 (2-0-4)	TMCD 519	AIDS	2 (2-0-4)	Unchanged
ଅଧ୍ୟ ଓଡ଼ ଟ	โรคเอดส์		ି ୩ ୭୩ ଝରଟ	โรคเอดส์		
			TMNU 506	Nutrition	2 (2-0-4)	Adds course
			วขภข 506	โภชนศาสตร์		
3) Thesis 12 Credits			3) Thesis 12 Credits			
TMSH 698	Thesis	12 (0-36-0)	TMSH 698	Thesis	12 (0-36-0)	revised
3,192 , ೨೪೪೪	วิทยานิพนธ์		3192 ಶಳಇ	วิทยานิพนธ์		course
						description
4) Thematic Paper 6 Credits			4) Thematic Paper 6 Credits			
TMSH 697	Thematic Paper	6 (0-18-0)	TMSH 697	Thematic Paper	6 (0-18-0)	revised
3,192 <i>P</i> ଝାଣ	สารนิพนธ์		ଅଧ୍ୟରେ ଅଟଣ	สารนิพนธ์		course
						description

6. The Comparison Table of the Curriculum Structure between the Current Program and Revised Program Based on Criteria on Graduate Studies B.E. 2558 (set by Ministry of Education)

The revision according to the Ministry of Education standard (MOE) 2015 is as follows:

6.1 Plan A2

	Credits				
Course Catagony	Criteria on	Curriculum	Curriculum		
Course Category	Graduate Studies	Structure of the	Structure of the		
	B.E. 2558	Current Program	Revised Program		
1. Required courses	Coursework at	20	20		
2. Elective course	least 12 credits	4	4		
3. Thesis	At least 12 credits	12	12		
Total credits (not less than)	36	36	36		

6.2 Plan B

	Credits				
Course Catagory	Criteria on	Curriculum	Curriculum		
Course Category	Graduate Studies	Structure of the	Structure of the		
	B.E. 2558	Current Program	Revised Program		
1. Required courses	Coursework at least 12 credits	24	20		
2. Elective course		6	10		
3. Thematic Paper		6	6		
	At least 6 credits				
Total credits (not less than)	36	36	36		