



Mahidol University
Faculty of Science

**Handbook for Participants from
Kunming Medical University
'Contemporary Biological & Medical
STEM: from Modelling to Practice'
16-22 December 2018**

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Overview

About MUSC

The Faculty of Science, Mahidol University, was founded as a Premedical School in 1958 by Professor Dr. Stang Mongkolsuk, and took the name of Faculty of Science, Mahidol University in 1969. The Faculty is responsible for teaching science to all first year undergraduate students of the university, and also assists in teaching second year students in the allied health sciences and medicine.

The faculty places a strong emphasis on research, not only as part of the thesis work for graduate programs, but also as an ongoing commitment to international scientific advancement and national development. This serious and sustained emphasis on research has created an excellent academic atmosphere within the Faculty, which has allowed staff to compete successfully for grants, both nationally and internationally, and to perform work of excellent quality. The Faculty is one of the most prestigious institutes for research and postgraduate training in Thailand and ASEAN.

Objective

Recognizing that world and society is rapidly changing, MUSC has progressed to developed courses based on the basis of market demand. MUSC short training program aims to provide participants with the skills and knowledge needed to excel their profession.

Contemporary Biological & Medical STEM: from Modelling to Practice

This short course emphasizes established and emergent areas of science technology engineering and mathematics including molecular, membrane, and mathematical biophysics; photosynthetic energy harvesting and conversion; information processing; physical principles of genetics; sensory communications; automata networks, neural networks, and cellular automata. Equally important is coverage of applied aspects of biological and medical physics such as electronic components and devices, biosensors, medicine, imaging, coding and simulations.

Course Component

- Lectures
- Hands-on Experiences
- Flipped Classroom
- Lab & Hospital tour
- Cultural tour

Training Medias

- Handouts
- PowerPoint presentations
- E-learning

Instructor

- Associate Professor Dr. Wannapong Triampo, Deputy Dean for Educational Service of Salaya Campus, Department of Physics, Faculty of Science, Mahidol University
E-mail: wannapong.tri@mahidol.edu, wannapong.tri@mahidol.ac.th

Program Director

- Associate Professor Dr. Kanyaratt Supaibulwattana, Vice Dean, Department of Biotechnology, Faculty of Science, Mahidol University
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Program Secretary

- Ms. Nongnuch Prasomkhum, Foreign Relation Officer/ Head of International Cooperation Office, Faculty of Science, Mahidol University
E-mail: nongnuch.pra@mahidol.ac.th

Program Coordinator

- Ms. Rungrat Suriyin, Foreign Relation Officer, Faculty of Science, Mahidol University
E-mail: rungrat.sur@mahidol.ac.th

Program Schedule

Date	Time	Topic	Instructor	Venue
Sun. Dec. 16	16.35	Arrival to Bangkok Hotel Check In	MUSC-IC staff	Flight No. TG613
Mon. Dec. 17	09.00-12.00	Course Orientation & Campus tour	Dr. Kanyaratt Supaibulwatana (Program Coordinator)	K102, Faculty of Science, Mahidol University Phayathai Campus
	12.00-13.00	Welcome Lunch	MUSC-IC staff	
	13.30-14.30	Site visit at the Grand Palace	MUSC-IC staff	the Grand Palace
Tue. Dec. 18	09.00-12.00	Physics meet medicine: STEM for life	Dr. Wannapong Triampo	Faculty of Science, Mahidol University Salaya Campus
	12.00-13.00	Lunch		
	13.00-15.00	Visit MUSC preclinical facilities		
	15.00-16.00	Knowledge and Know- how Sharing	Dr. Wannapong Triampo	
Wed. Dec. 19	09.00-12.00	Modeling and Simulation for Medicines	Dr. Wannapong Triampo	Faculty of Science, Mahidol University Salaya Campus
	12.00-13.00	Lunch		
	13.00-16.00	Biophysical Modeling for Medicines	Dr. Wannapong Triampo	
Thu. Dec. 20	9.00-12.00	STEM based learning for Medical study I	Dr. Wannapong Triampo	Faculty of Science, Mahidol University Salaya Campus
	12.00-13.00	Lunch		
	13.00-16.00	STEM based learning for Medical study II	Dr. Wannapong Triampo	
Fri. Dec. 21	9.30-12.00	Study trip	Medical school and university hospital	- Faculty of Tropical Medicine - Faculty of Medicine Ramathibodi Hospital
	12.00-13.30	Farewell Lunch		K102, Faculty of Science, Mahidol University Phayathai Campus
	13.30-14.30	-Wrap-up and Evaluation -Certificate Presentation	Dr. Kanyaratt Supaibulwatana Dr. Sittiwat Lertsiri (Dean, Faculty of Science)	
Sat. Dec. 22	15.55	Leaving Bangkok	MUSC-IC staff	Flight No. MU742

Transportation Schedule

Date	Pick up Time	Departures	Destination	Note
Sun. Dec. 16	17.00 h.	Suvarnabhumi Airport Meeting point: Gate 3 (turn right after left the internal arrival terminal)	Grand Tower Inn Hotel	Ms.Rungrat 08 6726 4987 Ms.Wannapa 08 6540 0582 Flight No. TG613, Arrival time 14.55 h. By MUSC bus
Mon. Dec. 17	8.15 h.	Grand Tower Inn Hotel	Rm. K.102, K Bld., MUSC	Ms.Wannapa 08 6540 0582 About 20 minutes by MUSC van
	13.00 h.	K Bld., MUSC	The Grand Palace	About 30 minutes by MUSC van Mr.Sethavudh 08 4009 2251
	16.00	The Grand Palace	Grand Tower Inn Hotel	About 30 minutes by MUSC van
Tue. Dec. 18	8.00 h.	Grand Tower Inn Hotel	MUSC, Salaya Campus	Ms.Nongnuch 08 5948 2938 About 50 minutes by MUSC van
	16.00 h.	MUSC, Salaya Campus	Grand Tower Inn Hotel	About 50 minutes by MUSC van
Wed. Dec. 19	8.00 h.	Grand Tower Inn Hotel	MUSC, Salaya Campus	Ms.Nongnuch 08 5948 2938 About 50 minutes by MUSC van
	16.00 h.	MUSC, Salaya Campus	Grand Tower Inn Hotel	About 50 minutes by MUSC van
Thu. Dec. 20	8.00 h.	Grand Tower Inn Hotel	MUSC, Salaya Campus	Ms.Nongnuch 08 5948 2938 About 50 minutes by MUSC van
	16.00 h.	MUSC, Salaya Campus	Grand Tower Inn Hotel	About 50 minutes by MUSC van

Date	Pick up Time	Departures	Destination	Note
Fri. Dec. 21	9.00 h.	Grand Tower Inn Hotel	Tropical Medicine Hospital, Mahidol University	Ms.Rungrat 08 6726 4987 About 20 minutes by MUSC van
	10.30 h.	Tropical Medicine Hospital	Ramathibodi Hospital, Mahidol University	About 20 minutes by MUSC van
	12.00 h.	Ramathibodi Hospital, Mahidol University	Rm. K.102, K Bld., MUSC	About 10 minutes on foot
	15.00 h.	Rm. K.102, K Bld., MUSC	Grand Tower Inn Hotel	About 20 minutes by MUSC van
Sat. Dec. 22	12.00 h.	Grand Tower Inn Hotel	Suvarnabhumi Airport	Ms.Nongnuch 08 5948 2938 Flight No. MU742, Depart. time 15.55 h. By MUSC bus

Participants from Kunming Medical University

NO	Name	Gender	Position	Field	E-mail
1	Yongshu He	Female	Professor	Cell Biology and Medical Genetics	yongshuhe@hotmail.com
2	Qingqing Yang	Female	Counselor	Development and Educational Psychology	1044722587@qq.com
3	Cai Xu	Female	Student	Medical Imaging	799689808@qq.com
4	Xiaojing Che	Female	Student	Clinical medicine	1530431713@qq.com
5	Rong Xu	Female	Student	Clinical medicine(General Practice)	1060645871@qq.com
6	Jin Liu	Female	Student	Clinical Medicine	1164314054@qq.com
7	Yu Li	Female	Student	Clinical medicine	985145919@qq.com
8	Chenling Yang	Female	Student	Clinical medicine	1031785251@qq.com
9	Junyi Huang	Female	Student	Anesthesiology	609929070@qq.com
10	Qinjing He	Female	Student	Medical imaging	760935308@qq.com
11	Xirui Duan	Male	Student	Medical Imaging	248190836@qq.com
12	Ziyu Zhu	Male	Student	Clinical Medicine	541996441@qq.com

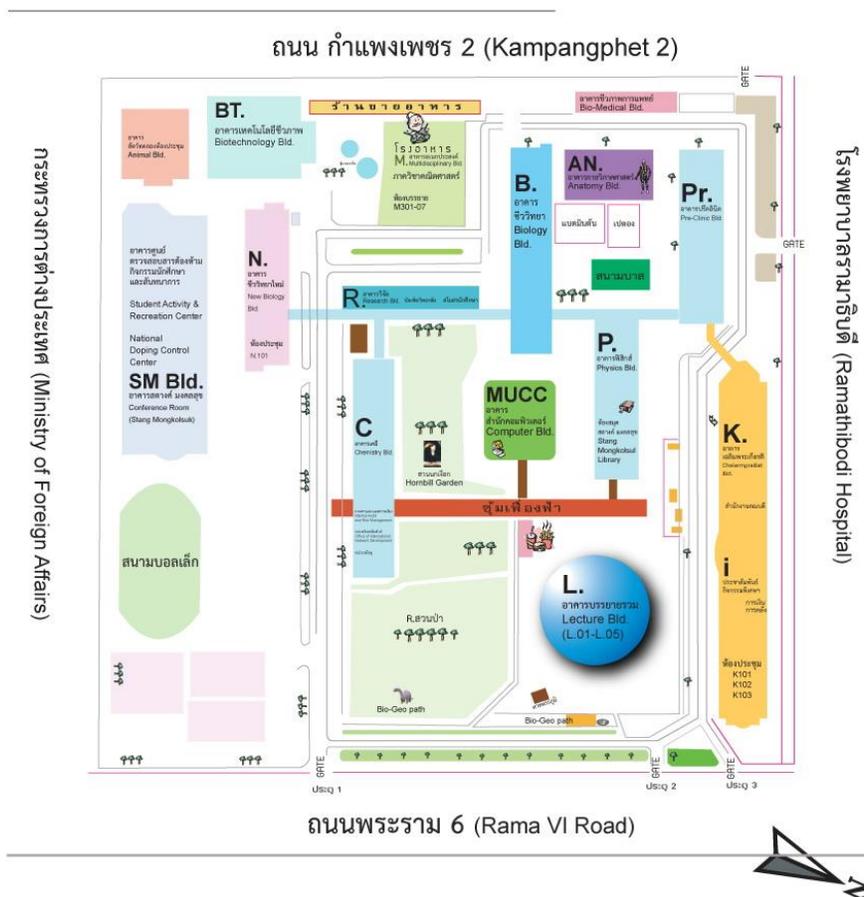
Emergency Contacts

In case of emergencies during your stay, please contact....

Ambulance and Rescue	1554
Thailand Tourist Police	1155
Emergency Ambulance Hotline	1669
Emergency Hotline (Police/Ambulance/Fire Service)	191
Ms. Nongnuch Prasomkhum	085-9482938
Ms. Wannapa Somwong	086-5400582
Ms. Rungrat Suriyin	086-7264987
Mr. Sethavudh Keawwiset	084-0092251

Map

Faculty of Science, Mahidol University (Phayathai Campus)



Public Transportation

Public Vans



Service is provided at public transportation center and pick up and send passengers at platform of arrival terminal 1st floor, gates 1 and 8.

Van No. 551 Suvamabhumi Airport – Victory Monument (05.00 - 10.00 hrs.) (THB 40.-Throughout the route) Departure every 20 minutes

Tuk-Tuks



Thailand's famous tuk-tuks are a unique form of 3-wheeled transportation with a metal cage seating 2-3 persons built around a motorcycle-like front end. Be sure to agree on a (negotiable) fare with the driver before setting off.

Motorcycle Taxis



Motorcycle taxis cost approximately the same as tuk-tuks and are generally used for short distances in areas without heavy traffic, such as a long “Soi” (in Thai: ซอย) or lane, off a larger avenue. Drivers wear distinctive colored vests and congregate at key intersections.

River Ferries



The Express River Ferry travels the Chao Phraya River from Wat Ratsingkhon in the south to Pakkred, Nonthaburi in the north. Tickets cost 15-30 Baht depending on distance (for local line boats. The boats, colored white with an orange stripe along the side, run regularly from 6.00 am – 8.00 pm.

During rush hours, express boats, which only stop at main piers, are also available for a slightly higher fare. Three-baht ferries also regularly cross the Chao Phraya River from many piers. Free maps of routes and pier locations are available at most main piers. The “Sathorn (Taksin) Pier” conveniently connects to BTS Sky Train Station at “Saphan Taksin”. www.chaophrayaexpressboat.com

(MRT) Subway



The Bangkok subway runs from the city's main railway station, Hua Lamphong, under two major thoroughfares, Rama 4 Road and Ratchadaphisek Road. The route is 20 kilometers long with 18 stations and three interchange stations that connect to the Sky train. (6.00 am to midnight daily.)

www.bangkokmetro.co.th

BTS (Skytrain)



The Bangkok Mass Transit System, commonly known as the BTS or the Skytrain. The system consists of 35 stations along two lines: the Sukhumvit Line running northwards and eastwards, terminating at Mo Chit and Samrong respectively, and the Silom Line which serves Silom and Sathok Roads, the central business district of Bangkok, terminating at National Stadium and Bang Wa. The lines interchange at Siam Station and have a combined route length of 38.7 kilometers (24.0 mi). www.bangkokmetro.co.th

Dos and Don'ts

Dos in Thailand

- **Do respect all Images of Buddha.** Buddha images are sacred and sacrilegious acts are punishable by imprisonment even if committed by foreign visitors.
- **Do respect royal anthems.** For example, if you're at the cinema, before the movie starts, you'll be instructed to rise to respect the royal anthem, which is usually accompanied by a slideshow of pictures of King Rama X and his late father, Rama IX.
- **Do avoid stepping on Thai money.** It is actually illegal to step on any of the Thai currency. This is because, the King's face is printed and engraved on the Thai notes and coins.
- **Do learn how to wai.** It's a beautiful way to greet people, to say thank you or goodbye.
- **Do eat with a spoon.** Use the fork to load food on to the spoon.
- **Do try and learn** a few basic phrases in Thai, like 'hello' and 'thank you'.
- **Do smile a lot.**
- **Do enjoy yourself.** Thais like life to be fun.
- **Do ensure that you have a visa** if you need one.
- **Do make sure you have adequate travel insurance.**

Don'ts in Thailand

- **Don't show disrespect** towards the Thai Royal Family.
- **Don't cross your legs** when you are in the presence of a monk.
- **Don't touch a Thai woman** without consent. Despite the image portrayed in some bars and clubs, the majority of Thai women are conservative.
- **Don't be overly affectionate in public.** This has changed in recent years and younger Thai couples can be seen holding hands, but snogging your boyfriend or girlfriend in the middle of the shopping mall won't win you too many friends.
- **Don't sunbathe nude.** This is offensive to most Thai people although nobody is likely to say anything to you if you do so.
- **Don't touch a Thai person's head or ruffle their hair.** Apologize if you accidentally touch somebody's head. There are exceptions to this standard of behavior; for example, it doesn't apply to lovers in the privacy of their room.
- **Don't place your feet on the table** while sitting, don't point to anything with your feet and don't touch anybody with your feet.
- **Don't raise your voice** or lose your temper; try to be chill.
- **Don't take Buddha images out of the country.** Strictly speaking it is against the law to take or send Buddha images out of the country unless special permission has been granted.
- **Don't touch a monk.** Women should never touch a Buddhist monk.
- **Don't overstay your visa.** Basically, you'll be fined 500 THB for each day you overstay, but you might also be detained in prison before you can go back to your home country.

Visiting the Grand Palace of Thailand

You surely don't want your mesmerizing trip to the Grand Palace Bangkok interrupted because of inappropriate dress code. Grand Place Thailand dress code is strictly enforced for visiting men and women likewise. Here you will find a detailed list of the dress code at Grand Palace Bangkok to be followed.

Avoid wearing:

- Shorts, mini-skirts, short skirts, tight fitting trousers, tights, leggings (anything that exposes the ankles).
- Quarter length trousers
- No clothing with holes (for instance ripped jeans)
- See-through shirts and blouses.
- Low-cut clothing
- Sleeveless shirts or vests. Only shirts or tops to cover your shoulders.
- Bare chest in men.
- All shirtsleeves that are rolled up.
- Sweat shirts, sweat pants, windcheaters, pyjamas and fisherman trousers.
- Mid-riff showing or backless clothing.
- Sandals and flip-flops without socks.



Common Thai Words and Phrases

The first thing you need to know is that the Thai language changes a bit depending on whether the speaker is a man or a woman. The addition of the word Krub/khrup (male speaker) and Kah/kaa (female speaker) makes what is being said "polite".

English	Thai
Hello, Good morning, Good evening, Good afternoon,	Sa-Wat-Dee
Hello (male speaker)	Sa-Wat-Dee Khrup
Hello (female speaker)	Sa-Wat-Dee Kaa
Yes	Chai
No	Mai
Thank you	Kop-Khun
How are you?	Sa-Bai-Dee-Mai?
Fine	Sa-Bai-Dee
Lecturer	Ar-jarn
Mr./ Miss	Khun
How much does this cost?	Tao-Rai?
Any discount?	Rod- Dai-Mai?

Office of International Cooperation Division

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- Mr. Sethavudh Kaewviset
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- Ms. Rungrat Suriyin
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E-mail: rungrat.sur@mahidol.ac.th
- Ms. Wannapa Somvomg
General Administration Officer
E-mail: wannapa.som@mahidol.ac.th