



TUMS International
Summer School Series
2023



THERAN UNIVERSITY
OF
MEDICAL SCIENCES

Tehran University of Medical Sciences (TUMS)

About TUMS

TUMS traces its roots back to 1851, as part of the Institute for Higher Education (Dar-ol-Fonoon). The School of Medicine, as the first school of University of Tehran, was established in 1934 and in 1986 all medical schools carried on their activities independently as Tehran University of Medical Sciences.

TUMS is the oldest and most well-known international medical center in Iran. With 109 research centers and around 1,912 faculty members, TUMS educates about 13,000 students annually in various levels and majors. TUMS has 10 schools, namely Allied Medical Sciences, Advanced Technologies in Medicine, Dentistry, Medicine, Nutritional Sciences and Dietetics, Nursing and Midwifery, Pharmacy, Public Health, Rehabilitation, and Persian Medicine plus an international campus in Kish Island, a branch in Karbala and an office in Sulaymaniyah, Iraq. This university enjoys having 16 teaching and treatment hospitals providing students with ample opportunities to put their knowledge into practice.

TUMS has received the first rank among the universities of medical sciences in Iran for many years. It has also proved itself in the international arena, receiving notable ranks in the region, in Asia and around the world.

TUMS International Summer School Series 2023

4-Week Non-Degree Program

August 6 - 30

A unique Summer School experience awaits you. Join us this summer in the capital of Iran. Study at a world-class university in Tehran. TUMS offers you the opportunity to explore and develop your talents in a fun and creative way. It is designed for students who want to gain a broad range of experiences, those who want to explore a specific creative skill in depth, or students who want to discover their talents and potential.

During TUMS summer school series, students explore the different aspects of medical science within the framework of Tehran University of Medical Science and in different schools: School of Medicine, School of Pharmacy, School of Public Health, School of Persian Medicine, School of Nursing and Midwifery, School of Allied Medical Sciences, School of Nutritional Sciences Dietetics, and School of Advanced Technologies in Medicine in collaboration with TUMS research and innovation centers.

The creative atmosphere follows a pioneering concept that offers students the opportunity to have many different experiences, to gain new skills and insights and to discover themselves, but also to dive deep into a specific area of their interest, offering both breadth and depth. For example, students experiment with visual and performing medical sciences, training and amazing outdoor activities. Students receive tailored guidance and personalized feedback from our caring and knowledgeable team, helping them to grow as individuals and improve their skills, which can later serve as an important element in their portfolio or university applications.

All of this is a unique experience that is fun, meaningful and memorable

TUMS Summer School Series offers a rich and balanced program that includes study, stay, training and outdoor activities, with the opportunity to explore many magnificent areas of the beautiful city of Tehran.

Fee Structure	Expenses for One-Week Package/ USD	Expenses for Two-Week Package/ USD
Tuition Fee (Lunch Included)	100	150
Accommodation	20 (Per Night)	
First Transport from Airport in Tehran (Upon Request)	25 (Only Once)	

Early bird promo for TUMS International Students: **30%**

(Deadline: **25 June, 2023**)

The application deadline: **25 July, 2023**

What you can experience at TUMS summer school?



Apply Online Now via TUMS Online Application System.

Website: <https://en.tums.ac.ir/en>

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TEHRAN UNIVERSITY
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School of Medicine August 6-16

Week	Days/ Dates	8:00 – 8:30	Training Session 8:30 – 10:00	10:00- 10:30	Training Session 10:30 – 12:00	12:00-14:00	Training Session 14:00 – 17:00
1	Sun. 6.08.2023	Breakfast	Children's Medical Center (Pediatrics)	Coffee Break	Children's Medical Center (Pediatrics)	Lunch Time	-
	Mon. 7.08.2023	Breakfast		Coffee Break		Lunch Time	-
	Tue. 8.08.2023	Breakfast	Farabi Hospital (Ophthalmology)	Coffee Break	Farabi Hospital (Ophthalmology)	Lunch Time	-
	Wed. 9.08.2023	Breakfast		Coffee Break		Lunch Time	-
2	Sat. 12.08.2023	Breakfast	Shariati Hospital (Internal Medicine)	Coffee Break	Shariati Hospital (Internal Medicine)	Lunch Time	-
	Sun. 13.08.2023	Breakfast		Coffee Break		Lunch Time	-
	Mon. 14.08.2023	Breakfast	Sina Hospital (Neurosurgery)	Coffee Break	Sina Hospital (Neurosurgery)	Lunch Time	-
	Tue. 15.08.2023	Breakfast	Imam Khomeini Hospital (Radiology)	Coffee Break	Imam Khomeini Hospital (Radiology)	Lunch Time	-
	Wed 16.08.2023	Breakfast	Introduction to School of Advanced Technology	Coffee Break	Principles of Medical Nanotechnology	Lunch Time	Workshop on Cost-Effective and Rapid Fabrication of Microfluidic Systems



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School of Allied Medical Sciences

August 12-16

Week	Days/ Dates	Training Session			
1	Sat. 12.08.2023	Quality Control of CT scan (3 hrs. Theory)	Quality Control of CT scan (3 hrs. Practical)		
	Sun. 13.08.2023	Bone Marrow Study According to ICSH Guidelines (4 hrs. Theory)	Platelet-Rich Plasma (PRP) (4 hrs. Theory)		
	Mon. 14.08.2023	Flow Cytometry in Hematological Malignancies (4 hrs. Theory)	Chromatography (1.5 hrs. Theory)	Personalized Medicine (Treatment of Disease in Future) (1 hr. Theory)	
	Tue. 15.08.2023	Immuno Fluorescence and Interpretation (2 hrs. Theory)	Systematic Review and Meta Analysis (2 hrs. Theory) (1 hr. practical)	Artificial Intelligence Prediction Models in Medicine (2 hrs. Practical)	Reference in Research (1 hr. Theory)
	Wed. 16.08.2023	Basic Cardiopulmonary Resuscitation (1 hr. Theory) (2 hrs. Practical)	Advanced Cardiopulmonary Resuscitation (1 hr. Theory) (2 hrs. Practical)	Literature Searching in Scientific Database (1 hr. Theory)	Proposal Writing (1 hr. Theory)



TEHRAN UNIVERSITY
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MEDICAL SCIENCES



School of Pharmacy

August 19 – 30

Week	Days/ Dates	8:00 – 8:30	Training Session 8:30 – 10:00	10:00 – 10:30	Training Session 10:30 – 12:00
1	Sat. 19.08.2023	Breakfast	Pharmacotherapy Practice in Iran (Roozbeh Hospital)	Coffee Break	Clinical Pharmacy Ward Round (Roozbeh Hospital)
	Sun. 20.08.2023	Breakfast	Case Study in Pharmacotherapy of Diabetic Patients (Roozbeh Hospital)	Coffee Break	Clinical Pharmacy Ward Round (Roozbeh Hospital)
	Mon. 21.08.2023	Breakfast	Safe Handling of Cytotoxic Drugs (Cancer Institute of Imam Khomeini Hospital)	Coffee Break	Safe Handling of Cytotoxic Drugs (Cancer Institute of Imam Khomeini Hospital)
	Tue. 22.08.2023	Breakfast	Intensive Care Unit Round (Sina Hospital)	Coffee Break	Intensive Care Unit Round (Sina Hospital)
	Wed. 23.08.2023	Breakfast	Intensive Care Unit Round (Sina Hospital)	Coffee Break	Intensive Care Unit Round (Sina Hospital)
2	Sat. 26.08.2023	Breakfast	Researches in Medicinal Chemistry	Coffee Break	Application of Medicinal Chemistry in Pharmacy Industry
	Sun. 27.08.2023	Breakfast	The role of Pharmacoeconomics in Pharmaceutical Practices	Coffee Break	Introduction to Pharmacognosy in Iran
	Mon. 28.08.2023	Breakfast	Bioconjugation in Drug Delivery	Coffee Break	Bioconjugation in Drug Delivery
	Tue. 29.08.2023	Breakfast	Functional Food	Coffee Break	Vaccinology
	Wed. 30.08.2023	Breakfast	New Cancer Treatment: Radiopharmaceuticals	Coffee Break	Review of the Course



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School of Persian Medicine August 26 -30

Week	Days/ Dates	8:00- 8:30	Training Session 8:30 – 9:45	9:45 - 10:00	Training Session 10:00-11:15	11:15- 11:30	Training Session 11:30-13:00
1	Sat. 26.08.2023	Breakfast	An Introduction into Persian Medicine	Coffee Break	History of Medicine	Coffee Break	Health Maintenance in Persian Medicine
	Sun. 27.08.2023	Breakfast	Persian Culinary Medicine and Medicinal Foods	Coffee Break	Preparation of Oxymel and Fereni (Laboratory)	Coffee Break	Plant Systematics and Herbarium
	Mon. 28.08.2023	Breakfast	Internal Oncology	Coffee Break	Dry Cupping, Wet Cupping, Leech Therapy, Phlebotomy (Clinic)	Coffee Break	Pharmaceutical Dosage Forms in Persian Medicine
	Tue. 29.08.2023	Breakfast	Nutrition in Persian Medicine	Coffee Break	Skin Care and Cosmetics in Persian Medicine	Coffee Break	Preparation of a Skincare Gel (Laboratory)
	Wed. 30.08.2023	Breakfast	Acupuncture Indications: A Review of High-Quality Evidence	Coffee Break	Non-Pharmaco- logical Treatments in Persian Medicine	Coffee Break	Common Medicinal Plants as Home Remedies



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School of Public health

August 26 -30

Week	Days/ Dates	8:00 – 8:30	Training Session Topic	Training Session Subjects
1	Sat. 26.08.2023	Breakfast	Global Health	<ul style="list-style-type: none"> • An Introduction to Global Health • Health Systems in a Global Context • GBD / Epidemiological Transition • NCD: Risk Factors, Trends, Early Prevention Strategies • Social and Cultural Aspects of Health • Politics of Global Health • Ethics in Global Health
	Sun. 27.08.2023	Breakfast	Sustainable Health Development	<ul style="list-style-type: none"> • Global Health Governance • New Health Order • Universal Health Coverage (UHC) • Health Equity • Health and Development • Slums and Urbanization • Migration / Refugees Health
	Mon. 28.08.2023	Breakfast	Emerging Issues in Global Health	<ul style="list-style-type: none"> • Climate Change • Air Pollution • Antimicrobial Resistance (AMR) • Food Insecurity • Mental Health
	Tue. 29.08.2023	Breakfast	One Health / Planetary Health	<ul style="list-style-type: none"> • Zoonoses, Emerging & Re-Emerging Diseases, and Emerging Health-Related Problems (Drug Resistance, Pollution, Etc.) • Outbreak Preparedness, Alert, and Response • Public Health Surveillance and Monitoring • International Health Regulations (IHR) • Case Studies (Ebola, COVID-19, H1N1, MERS, SARS, etc.)
	Wed. 30.08.2023	Breakfast	Conflict and Disaster	<ul style="list-style-type: none"> • How the Conflicts and Disaster Effect on Global Health • Global Health Managements During Conflict and Disaster • Health System Strengthening and Resilience • Humanitarian Response to Conflict and Disaster • Global Health for Peace Initiative • The Role of International Initiatives in Conflict and Disasters • Case Studies (Afghanistan, Pakistan, S. Sudan, Ukraine)



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School of Nutritional Sciences and Dietetics

August 26 -30

Week	Days/ Dates	8:00 – 8:30	Training Session 8:30-10:00	10:00 – 10:30	Training Session 10:30-12:30
1	Sat. 26.08.2023	Breakfast	Introduction of School of Nutritional Sciences and Dietetics	Coffee Break	The Role of Nutrition in Health and Diseases
	Sun. 27.08.2023	Breakfast	Nutritional Epigenetics	Coffee Break	Personalized Nutrition
	Mon. 28.08.2023	Breakfast	Clinical Nutrition	Coffee Break	Malnutrition in Hospital Patient
	Tue. 29.08.2023	Breakfast	Diet and Inflammation	Coffee Break	Food and Nutrition Security
	Wed. 30.08.2023	Breakfast	Diet Consultation in Hospital (Shariati Hospital)	Coffee Break	Management of Hospital Catering (Shariati Hospital)



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School of Nursing and Midwifery

August 26 -30

Nursing Program

Week	Days/ Dates	8:00 – 8:30	Training Session
1	Sat. 26.08.2023	Breakfast	Oncology Nursing (6 hrs. Theoretical/ Practical)
	Sun. 27.08.2023	Breakfast	Nursing Informatics (4 hrs. Theoretical) Communication Skills with Children (2 hrs. Theoretical)
	Mon. 28.08.2023	Breakfast	How to Deal with Challenging Staff in the Workplace (4 hrs. Theoretical) Stress Management (2 hrs. Theoretical)
	Tue. 29.08.2023	Breakfast	Community-Based Interventions (4 hrs. Theoretical)
	Wed. 30.08.2023	Breakfast	Basic ECG Interpretation (4 hrs. Theoretical/ Practical)

Midwifery Program

Week	Days/ Dates	8:00 – 8:30	Training Session
1	Sat. 26.08.2023	Breakfast	Introduction to Physiologic Delivery (4 hrs. Theoretical/Practical)
	Sun. 27.08.2023	Breakfast	Correcting the Posture in Pregnancy (4 hrs. Theoretical/Practical)
	Mon. 28.08.2023	Breakfast	Physiologic Delivery (4 hrs. Theoretical/Practical)
	Tue. 29.08.2023	Breakfast	Relaxation and Breathing Techniques (4 hrs Theoretical/ Practical)
	Wed. 30.08.2023	Breakfast	Pain Control (4 hrs. Theoretical/Practical)

Iranology Program



We invite you to take part in a free Iranology course at TUMS International College.

The course is offered on two dates (Thurs. 10.08.2023 and Thurs. 24.08.2023) so that you can choose at your convenience. It includes "An Introduction to Persian Language" along with a museum tour and lunch in a traditional restaurant.



Tehran Sightseeing Tours

One of the few places in the world that experiences all four seasons is Iran. While studying at TUMS you will have the chance to participate in and witness one of the most enjoyable adventures of your life. During TUMS Summer School, we invite you to see some of many well-known tourist destinations in Tehran. You can make a reservation upon arrival at the time of registration.

Tabiat Bridge

This bridge is a newly constructed bridge and a manifestation of the architectural art. It is the largest pedestrian overpass in Iran connects two big public parks in northern parts of Tehran. The word tabiat means “nature” in the Persian language. Wide range of restaurants makes it a place for people to stay not just pass. Some have described walking on the bridge as feeling like walking through a forest and a place of positive energy.



Day/ Time	Fees/ USD
Fri. 11.08.2023	30 \$ (including dinner)

Darband

Darband, formerly a village is a neighborhood inside Tehran's metropolitan limits. It is the beginning of a popular hiking trail into Mount Tochal, which towers over Tehran. A chairlift is also available for those not interested in hiking. The Persian term Darband translates to "door of the mountain". The initial start of the trail at Darband is about 250



meters long and is dotted with a number of small cafes and restaurants. These are quite popular and are busy in the evenings, as locals and tourists visit.



Day/ Time	Fees/ USD
Thurs. 17.08.2023	30 \$ (including dinner)

Golestan Palace



We would highly recommend a visit to Golestan Palace, if you want to be enchanted by Iranian architecture or spend the day admiring one of the most magnificent and wonderful palaces in the world.



Day/ Time	Fees/ USD
Fri. 18.08.2023	40 \$ (including entrance fee and dinner)

Milad Tower



The Milad Tower is a multi-purpose building, proudly standing on the north of Tehran and visible from almost every part of the city. It is the tallest tower in Iran and the sixth-tallest in the world. It provides not only a bird's-eye view of the city but also some business activities and entertainment events. For regular visitors the main interest is the observation deck, located on the top of the head structure. It provides a panoramic 360-degree view of the city and mountains. Besides, you can visit art gallery and museum of the tower. When you are on the top, you can visit a revolving restaurant, providing breakfast, lunch and dinner menu and an amazing opportunity to watch the city going around under your feet.



Day/ Time	Fees/ USD
Fri. 25.08.2023	50 \$ (including entrance fee and dinner)





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