

# SEAMS SCHOOL 2023: NUMBER THEORY AND APPLICATIONS

## GUIDEBOOK FOR STUDENTS AND LECTURES

### Brief information about the school

Title: Number theory and applications

Place: The Industrial University of Ho Chi Minh City (IUH), 12 Nguyen Van Bao Street, Ward 4, Go Vap District, Ho Chi Minh City, Vietnam

Dates: June 12 – June 22, 2023

Hotlines: 0914599616 (Mr. Hoang), 0855177913 (Ms. Tien)

Email: [seams.hcm.2023@gmail.com](mailto:seams.hcm.2023@gmail.com)

### Courses and Tentative (Daily) Schedule

There are four courses in the school with the information including lecturers are as follows:

1. M1: Finite Fields and Applications, Michel Waldschmidt (8 hours)
2. M2: Elementary Number Theory Algorithms, Laura Geatti (8 hours)
3. M3: Algorithmic Number Theory, René Schoof (10 hours)
4. M4: Elliptic Curves, Francesco Pappalardi (10 hours)

The tentative schedule is as follows:

Time	Monday June 12	Tuesday June 13	Wednesday June 14	Thursday June 15	Friday June 16
8:30–10:30	M1(Michel)	M4(Francesco)	M1(Michel)	M4(Francesco)	M4(Francesco)
10:30–11:00	<b>Break</b>				
11:00–13:00	M3(René)	M2(Laura)	M3(René)	M2(Laura)	M3(René)
13:00–14:30	<b>Lunch</b>				
14:30–17:00	Exercises/ Group Discussion	Exercises/ Group Discussion	Excursion	Exercises/ Group Discussion	Exercises/ Group Discussion

Time	Monday June 19	Tuesday June 20	Wednesday June 21	Thursday June 22	Friday June 23
8:30–10:30	M1(Michel)	M4(Francesco)	M1 (Michel)	M2(Laura)	
10:30–11:00	<b>Break</b>				
11:00–13:00	M4(Francesco)	M2(Laura)	M3(René)	M3(René)	
13:00–14:30	<b>Lunch</b>				
14:30–17:00	Exercises/ Group Discussion	Exercises/ Group Discussion			

### Travel from Tan Son Nhat International Airport to the IUH's dormitory

On Sunday 11<sup>th</sup> June 2023, the local organizers will wait for the students in Tan Son Nhat (TSN) airport. The students will be divided into several groups with the close arrival time, the local organizer will catch a taxi for each group to go to the IUH dormitory. After arriving at the dormitory office, students will also be instructed to go to their room.

When you arrive at the first gate of IUH at **12 Nguyen Van Bao Street, Go Vap district**, walk 50 meters to the second gate, **the IUH dormitory office is located 10 meters behind the second gate**. You will get in the dormitory office to register then we will take you to your rooms.

**IUH dormitory office and map:**





## Meals

The canteen is next to the dormitory office, and there are a lot of food stores outside the university gate which just few minutes walk.

## Safety

Ho Chi Minh city is a very crowded city, it is not safe for foreigners travel on street after 10pm.