2026 CIMPA Summer School, Nepal Schedule

	Day 1 15.05	Day2 16.05	Day 3 17.05	Day 4 18.05	Day 5 19.05	Day 6 20.05	Day 7 21.05	Day 8 22.05	Day 9 23.05	Day 10 24.05	Day 11 25.05	Day 12 26.05	Day 13 27.05
8:00-8:45	Breakfast *Opening Ceremony*	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
8:45-10:15 Lecture	**Course 1.1** Numerical Methods for Transport Phenomena: From Diffusion to Nonlinear Waves I *Instructor: Harihar Khanal (1.5h)*	**Course 1.2** Modeling and Simulations of Granular Flows II *Instructor: Sudarshan Tiwari (1.5h)*	**Course 1.3** Blood Flow Simulation using Meshfree Methods with Python I *Instructor: Panchatcharam Mariappan (1.5h)*	**Course 1.3** Blood Flow Simulation using Meshfree Methods with Python II *Instructor: Panchatcharam Mariappan (1.5h)*	**Course 2.1** Moving Boundary Value Problem I *Instructor: Surendra Nepal (1.5h)*		**Course 3.1** Data Mining and Machine Learning Models I: Theoretical Foundation *Instructor: Gokarna Aryal / Ram C. Kafle (1.5h)*	**Course 3.2** Machine Learning and Artificial Intelligence for Spatial Data Analysis using QGIS and Python *Instructor: Bidur Devkota (1.5h)*	**Course 3.4:** Machine Learning based Turbulence Prediction in Urban Areas I *Instructor: Maximilian Dauner (1.5h)*	**Course 3.4:** Machine Learning based Turbulence Prediction in Urban Areas II *Instructor: Maximilian Dauner (1.5h)*	**Course 2.3** Introduction to Sobolev Spaces I *Instructor: Rosa Pardo (1.5h)*		**Course 2.4** Calculus of Variations with Applications to PDEs II *Instructor: Mabel Cuesta (1.5h)*
10:15-10:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30-12:00 Problem/Lab Session	**Course 1.1** Numerical Methods for Transport Phenomena: From Diffusion to Nonlinear Waves I *Instructor: Harihar Khanal & Sudarshan Tiwari (1.5h)*	**Course 1.2** Modeling and Simulations of Granular Flows II *Instructor: Sudarshan Tiwari & Panchatcharam Mariappan(1.5h)*	**Course 1.3** Blood Flow Simulation using Meshfree Methods with Python I *Instructor: Panchatcharam Mariappan & Sudarshan Tiwari (1.5h)*	**Course 1.3** Blood Flow Simulation using Meshfree Methods with Python II *Instructors: Panchatcharam Mariappan & Sudarshan Tiwari (1.5h)*	**Course 2.1** Moving Boundary Value Problem I *Instructors: Surendra Nepal, Sudarshan Tiwari (1.5h)*	**Excursion-2** **Hiking to Bosan Danda**	**Course 3.1** Data Mining and Machine Learning Models I: Theoretical Foundation *Instructors: Gokarna Aryal / Ram C. Kafle (1.5h)*	**Course 3.2** Machine Learning and Artificial Intelligence for Spatial Data Analysis using QGIS and Python *Instructor: Bidur Devkota/Maximilian Dauner (1.5h)*	**Course 3.4:** Machine Learning based Turbulence Prediction in Urban Areas I *Instructor: Maximilian Dauner/ Bidur Devkota (1.5h)*	**Course 3.4:** Machine Learning based Turbulence Prediction in Urban Areas II *Instructor: Maximilian Dauner/Bidur Devkota (1.5h)*	**Course 2.3** Introduction to Sobolev Spaces I *Instructors: Rosa Pardo & Mabel Cuesta (1.5h)*		**Course 2.4** Calculus of Variations with Applications to PDEs II *Instructor: Mabel Cuesta & Rosa Pardo (1.5h)*
12:00-13:00	Lunch		Lunch	Lunch		Lunch	Lunch	Lunch	Lunch		Lunch	Lunch	Lunch
13:00-14:30 Lecture	**Course 1.2** Modeling and Simulations of Granular Flows I *Instructor: Sudarshan Tiwari (1.5h)*	**Course 1.1** Numerical Methods for Transport Phenomena: From Diffusion to Nonlinear Waves II *Instructor: Harihar Khanal (1.5h)*	**Excursion-1** **Boudhanath and the Pashupatinath Temple area, along with the Shleshmantak Forest, and observe the evening Aarati at the temple**	**Course 1.3** Blood Flow Simulation using Meshfree Methods with Python III *Instructor: Panchatcharam Mariappan (1.5h)*	**Course 2.1** Moving Boundary Value Problem II *Instructor: Surendra Nepal (1.5hh)*		**Course 3.1** Data Mining and Machine Learning Models II: Applications *Instructors: Gokarna Aryal / Ram C. Kafle (1.5h)*	**Course 3.3** Deep Learning Techniques for Computer Vision *Instructor: Ramchandra Rimal (1.5h)*		**Course 2.2** Spectrum of the Laplace Operator *Instructor: Dhurba Adhikari (1.5h)*	**Course 2.4** Calculus of Variations with Applications to PDEs I *Instructor: Mabel Cuesta (1.5h)*	**Excursion-3** **Bhaktapur Durbar Square, Basantapur Durbar Square, and Thamel visit**	**Course 2.3** Introduction to Sobolev Spaces II *Instructor: Rosa Pardo (1.5h)*
14:30-14:45	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
14:45-16:15 Lecture/Lab Session	**Course 1.2** Modeling and Simulations of Granular Flows I *Instructor: Sudarshan Tiwari & Harihar Khanal (1.5h)*	**Course 1.1** Numerical Methods for Transport Phenomena: From Diffusion to Nonlinear Waves II *Instructor: Harihar Khanal & Sudarshan Tiwari (1.5h)*		**Course 1.3** Blood Flow Simulation using Meshfree Methods with Python III *Instructors: Panchatcharam Mariappan & Sudarshan Tiwari (1.5h)*	**Course 2.1** Moving Boundary Value Problem II *Instructors: Surendra Nepal, Harihar Khanal (1.5h)*		**Course 3.1** Data Mining and Machine Learning Models II: Applications *Instructors: Gokarna Aryal / Ram C. Kafle (1.5h)*	**Course 3.3** Deep Learning Techniques for Computer Vision *Instructor: Ramchandra Rimal & Maximilian Dauner (1.5h)*	Student Presentations	**Course 2.2** Spectrum of the Laplace Operator *Instructor: Dhurba Adhikari (1.5h)*	**Course 2.4** Calculus of Variations with Applications to PDEs I *Instructor: Mabel Cuesta & Rosa Pardo (1.5h)*		**Course 2.3** Introduction to Sobolev Spaces II *Instructors: Rosa Pardo & Mabel Cuesta (1.5h)*
Dinner 17:00-18:00	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	*Closing ceremony* Dinner