



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



FONDAZIONE  
RICERCA BIOMEDICA  
AVANZATA ONLUS

ISTITUTO VENETO  
DI MEDICINA MOLECOLARE  
VIMM



VENICEASIAGOPADOVA2017

# SUMMER SCHOOL 2018

## VENICE - ASIAGO - PADOVA

(August 19<sup>th</sup> – September 08<sup>th</sup>)



Dipartimento  
di Fisica  
e Astronomia  
Galileo Galilei

 **Centro Linguistico di Ateneo**



OSSERVATORIO  
ASTRONOMICO DI PADOVA

# Science and Art in Italian Culture: from History to Modern Times

**Sponsor:** University of Padova

Venetian Institute of Molecular Medicine

**Course Director:** Ernesto Carafoli

**Organizing Committee:** Lucia Regolin, Denis Bastieri, Kim Anne Barchi, Veronica Santini

**Administration Manager:** Francesca Paci, Juan Deng, Margherita Bonfiglio

## **Contacts:**

**Email:** [unipdchina@gmail.com](mailto:unipdchina@gmail.com)

**Web page:** [www.unipdchina.com](http://www.unipdchina.com)

**Blog:** [http://blog.sina.com.cn/s/blog\\_1650bd56c0102whpi.html](http://blog.sina.com.cn/s/blog_1650bd56c0102whpi.html)

# Introduction

The Summer School is part of the collaboration agreement signed between ShanghaiTech University and the University of Padova. Its aim is to offer a variety of classes in order to expose the participating students to a panorama of Italian culture, from the Medieval times to the present days. It will be broad in content, including topics from both Art and Science.

The Course will focus on the historical role and the modern developments of Art and Science in Italy and in particular of the part of Italy that, in the old days, was known as the Republic of Venice, which had in Venice, a UNESCO World Heritage Site, its glorious centre of artistic culture, and in the University of Padova an exceptional scientific centre.

The Course will be organised in three separate locations: Venice for the first portion, Asiago for the second and Padova for the final third. In Venice students will learn about Art, spanning from music to visual art, architecture and literature. The venue will be a beautiful, and historically relevant, Foundation (Fondazione Crociferi). This part of the Course consists of an intensive programme of lectures, but also of a number of activities in Venice and in some of the famous 118 artistic islands of its lagoon.

The setting of the second part of the Course will be the quaint little city of Asiago, a renowned mountain vacation resort where the University of Padova has its Astronomical Observatory. Here the Course will deal with Science. The lectures will offer an across-the-board view of scientific topics, underlying those that have particular significance for the University of Padova. Science has been outstanding in the history of the University of Padova: names such as Galileo, Vesalius, Harvey, Morgagni are sufficient to understand why. The programme in Asiago will also include lectures on interdisciplinary topics, but will also include numerous activities, including a night at the Observatory, hiking in the surrounding hills, and some gastronomy-related activities. Asiago is, as a matter of fact, the capital of the Italian cheese and honey-jam industry.

Finally, four days will be dedicated to Padova, to visit some University Institutes and some of the city's most important cultural landmarks, including the very important Scrovegni Chapel. The portion of the course in Padova will schedule mostly lectures of interdisciplinary character, and will include a guided visit to the historical central building of the University

Some tours will be also organised leaving from Asiago and Padova. Some examples are: a visit to the Museum of Antonio Canova in the nearby city of Possagno (Canova's birthplace), to Vicenza, nominated UNESCO World Heritage Site in 1994, home of some of the most important architectural landmarks of Palladio, and to Verona, where the students will attend an opera evening in the famous roman amphitheater. A full day tour will be devoted to a visit of the important archaeological area of Aquileia (also a UNESCO World Heritage Site), about 150 km East of Padova. Aquileia was one of the wealthiest cities during the early Roman Empire, and has beautiful mosaic floors. Its Patriarchal Basilica was fundamental for the spreading of Christianity in the early Middle Ages.

The Course will be open to Italian students who will audit the lectures, in order to promote contacts between Chinese and Italian students and strengthen the overall academic relationship.

Considering Shanghai Tech's requirements for student credits, the total number of lectures in the course (considering the minimum 80% of lectures the student must take) will add up to 3 credit points.

The credits will be awarded considering attendance and the results of an evaluation test. With regards to the latter, students will be asked to write two essays (up to 2000 words), one on any of the general culture topics of the Course, and the other on a chosen science-related topic. The essays will be handed-in two weeks after the end of the Course, and will be evaluated and graded by the Members of the Organizing Committee and by selected Lecturers.

A final official ceremony will be held at the University of Padova, in one of its historical halls, on August 5<sup>th</sup>. On such occasion, students will be given a certificate attesting their participation in the Summer School.

## 19 August 2018 – Venice, Italy

TBC	Arrival	Venice International Airport Marco Polo	Summer School organisers and students	
TBC	Transport	From Venice Airport to Crociferi Foundation	Summer School organisers and students	Boat Venezia Turismo
TBC	Check-in	Crociferi Foundation	Summer School organisers	Check-in and Room assignment
TBC	Welcome lunch	Crociferi Foundation	Summer School organisers and students	Distribution of welcome kit and welcome lunch
TBC	Lecture	Kim Anne Barchi	Prof. Kim Anne Barchi	<i>"Italy for Beginners"</i>
TBC	Coffee break	Crociferi Foundation	Summer School organisers and students	Coffee break
TBC	Leisure	Free Time	All	

## 20 August 2018 – Venice, Italy

8:00 8:45	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast
9:00 10:15	Lecture	Crociferi Foundation	Prof. Veronica Santini	<i>“Italian Art Glossary: an illustrated Journey through the main Characters, Symbols and Styles of Italian Art”</i>
10:15 10:30	Coffee break	Crociferi Foundation	Summer School organisers and students	Coffee break
10:30 12:00	Lecture	Crociferi Foundation	Prof. Veronica Santini	<i>“Italian Art Glossary: an illustrated Journey through the main Characters, Symbols and Styles of Italian Art”</i>
12:00 13:30	Lunch	Crociferi Foundation	Summer School organisers and students	Lunch
13:30 16:30	Lecture	Crociferi Foundation	Prof. Isabella Colpo	<i>“Gods and heroes of ancient Roman religion as subject in Italian art - 1”</i>
16:00 18:00	Visit	Doge’s Palace	Summer School organisers and students	Guided tour of the Doge’s Palace
Evening	Leisure	Free Time	All	

## 21 August 2018 – Venice, Italy

8:00 8:45	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast
9:00 10:15	Lecture	Crociferi Foundation	Prof. Isabella Colpo	<i>“Gods and Heroes of ancient Roman Religion as Subject in Italian Art - 2”</i>
10:15 10:30	Coffee break	Crociferi Foundation	Summer School organisers and students	Coffee break
10:30 11:30	Lecture	Crociferi Foundation	Prof. Francesco Veronese	<i>“The cult of Saints in Western Religion”</i>
11:30 12:30	Lecture	Crociferi Foundation	Prof. Andrea Baldini	<i>“Perspectives in Western Philosophy”</i>
12:30 14:00	Lunch	Crociferi Foundation	Summer School organisers and students	Lunch
14:00 16:00	Visit	Venice landmarks	Summer School organisers and students	Bovolo stairs, Rialto Bridge and Fondamenta
16:00 18:00	Activity	Ca’ Macana, Dorsoduro	Paint your own mask	
Evening	Visit	Saint Mark’s Square	Summer School organisers and students	Guided tour of Saint Mark’s Square
Evening	Visit	Saint Mark’s Basilica	Summer School organisers and students	Guided tour of Saint Mark's Basilica

## 22 August 2018 – Venice, Italy

8:00 8:45	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast
9:00 10:15	Lecture	Crociferi Foundation	Prof. Paola Pellegrini	<i>"A very special water town: the construction of Venice"</i>
10:15 10:30	Coffee break	Crociferi Foundation	Summer School organisers and students	Coffee break
10:30 12:00	Lecture	Crociferi Foundation	Prof. Paola Pellegrini	<i>"Palladio, one of the most influential Architects of the world"</i>
12:00 13:30	Lunch	Crociferi Foundation	Summer School organisers and students	Lunch
	Free time			



## 23 August 2018 – Venice, Italy

8:00 8:45	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast
9:00 10:15	Lecture	Crociferi Foundation	Prof. Ilaria Andreoli	<i>"Four centuries of art in Venice. Painting."</i>
10:15 10:30	Coffee break	Crociferi Foundation	Summer School organisers and students	Coffee break
10:30 12:00	Lecture	Crociferi Foundation	Prof. Ilaria Andreoli	<i>"Four centuries of art in Venice. Sculpture."</i>
12:00 13:00	Lunch	Crociferi Foundation	Summer School organisers and students	Lunch
14:00 15:00	Lecture		Prof. Cinzia Sada	<i>"Venetian Glass Art and Science"</i>
13:00 17:00	Visit	Palazzo Rezzonico or to the Ca' d'Oro and Basilica	Summer School organisers and students	Visit to Palazzo Rezzonico or to the Ca' d'Oro (la fa Andreoli?)
Evening	Leisure	Free time	Summer School organisers and students	

## 24 August 2018 – Venice, Italy

8:00 8:45	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast
		Free day		

## 25 August 2018 – Venice, Italy

8:00 8:45	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast
9:00 10:15	Workshop	Crociferi Foundation	Prof. Kim Anne Barchi	<i>Academic writing</i>
10:15 10:30	Coffee break	Crociferi Foundation	Summer School organisers and students	Coffee break
10:30 12:00	Workshop	Crociferi Foundation	Prof. Kim Anne Barchi	<i>Public Speaking</i>
12:00 13:00	Lunch	Crociferi Foundation	Summer School organisers and students	Lunch
13:00 14:00	Transfer	From Crociferi Foundation to San Rocco	Summer School organisers and students	On foot
14:00 16:00	Visit	School of San Rocco	Summer School organisers and students	Visit of the famous School of San Rocco
19:30 20:30	Leisure time			

## 26 August 2018 – Venice – Asiago

7:00 8:00	Breakfast	Crociferi Foundation	Summer School organisers and students	Breakfast and check out
8:30 9:00	Transfer	From Crociferi Foundation to Tronchetto	All	By ferry
9:00 10:30	Transfer	Transfer from Venice to Schiavon	Summer School organisers and students	By bus
10:30 12:30	Visit	Visit of Poli Distillery	Summer School organisers and students	How grappa is made and tastings
12:30 13:30	Transfer	Transfer from Schiavon to Asiago	Summer School organisers and students	By bus
14:30	Check-in	Hotel Vescovi, Asiago	Summer School organisers and students	Check-in at Hotel
15:00	Free time			
19:30 20:30	Dinner	Hotel Vescovi, Asiago	Summer School organisers and students	Dinner at Hotel Vescovi

## 27 August 2018 – Asiago, Italy

8:00 8:45	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
9:00 10:00	Lecture	Rigoni Stern Institute	Prof. Giancarlo Setti	<i>“Origin and Evolution of the Universe”</i>
10:00 11:00	Lecture	Rigoni Stern Institute	Prof. Cesare Barbieri	<i>“Comets in Space: from Giotto to Rosetta”</i>
11:00 11:15	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
11:15 12:15	Lecture	Rigoni Stern Institute	Prof. Carlo Someda	<i>“Optical Communications: from Prehistoric Times to Modern Times”</i>
12:15 13:15	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
13:15 14:30	Transfer	From Hotel Vescovi to Villa La Rotonda	All	By bus
14:30 15:30	Lecture	Vicenza	Prof. Paola Pellegrini	<i>A visit of Palladio landmarks in Vicenza</i>
	Transfer	From Villa La Rotonda to Vicenza city centre	All	By bus
	Visit	Olimpic Theatre in Vicenza	Summer School organisers and students	Vicenza city centre landmarks
	Transfer	From the Olimpic Theatre to Palladio’s Basilica	All	On foot
	Visit	Palladio’s Basilica		
	Transfer	From Vicenza to Hotel Vescovi	All	By bus
20:30	Dinner	Hotel Vescovi, Asiago	Summer School organisers and students	Dinner

## 28 August 2018 – Asiago, Italy

7:30 8:15	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
8:30 9:30	Lecture	Rigoni Stern Institute	Prof. Stefano Debei	<i>"Space Explorations: emphasis on Mars"</i>
9:30 10:30	Lecture	Rigoni Stern Institute	Prof. Fabrizio Nestola	<i>"The Origin of Ocean"</i>
10:30 10:45	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
10:45 11:45	Lecture	Rigoni Stern Institute	Prof. Ivano Bertini	<i>"Oceans from the stars"</i>
12:30 14:00	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
14:00 17:00	Activity	Hicking	Summer School organisers and students	Hiking in the Asiago mountains, around the places described by Mario Rigoni Stern in his books. At the end: tasting of jams, cheese and honey.
17:00 19:30	Leisure time	Free time	All	
19:30 20:30	Dinner	Hotel Vescovi, Asiago	Summer School organisers and students	Dinner

## 29 August 2018 – Asiago, Italy

8:00 8:45	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
9:00 10:15	Lecture	Rigoni Stern Institute	Prof. Giorgio Manzi	<i>“Apes-like Ancestors and Extinct Humans of the Deep Time”</i>
10:15 10:30	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
10:30 11:30	Lecture	Rigoni Stern Institute	Prof. Guido Barbuiani	<i>“Genetics in the Study of Human Evolution”</i>
12:00 13:30	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
13:30 14:30	Lecture	Rigoni Stern Institute	Prof. Claudio Tuniz	<i>“New Clocks and Microscopes to Reconstruct Human History”</i>
14:30 15:30	Lecture	Rigoni Stern Institute	Prof. Francesco D’Errico	<i>“Origin of symbolic thinking in the Paleolithic Times”</i>
15:30 15:45	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
15:45 17:00	Lecture	Rigoni Stern Institute	Prof. Giuseppe Longo	<i>“Cultural Evolution: Towards The Post-Human Homo Technologicus Comes of Age”</i>
17:00 19:30	Leisure time	Free time	All	
19:30 20:30	Dinner	Hotel Vescovi, Asiago	Summer School organisers and students	Dinner
21:00	Leisure	Karaoke night	Summer School organisers and students	Karaoke

## 30 August 2018 – Asiago, Italy

8:00 8:45	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
9:00 10:00	Lecture	Rigoni Stern Institute	Prof. Ernesto Carafoli	<i>“The Dark Side of Science?”</i>
10:00 11:00	Lecture	Rigoni Stern Institute	Prof. Enrico Bucci	<i>“Fabrication, Falsification and Plagiarism: detection and prevention”</i>
11:00 11:15	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
11:15 12:15	Lecture	Rigoni Stern Institute	Prof. Giuseppe Sartori	<i>“Neuropsychology of scientific misconduct”</i>
12:30 13:30	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
13:30 15:30	Transfer	Transfer to Verona	Summer School organisers and students	By bus
15:30 17:30	Visit	Verona city landmarks	Summer School organisers and students	Guided visit of the landmarks of the city of Verona
17:30 20:00	Free Time	Free time	All	
20:00 20:30	Entry	Entry to the Opera Arena	All	
20:30 23:00	Opera	Opera	Summer School organisers and students	Il Barbiere di Siviglia
24:00	Transfer	From Verona to Asiago	Summer School organisers and students	By bus



## 31 August 2018 – Asiago, Italy

FREE MORNING				
12:00 13:30	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
15:00 16:00	Lecture	Rigoni Stern Institute	Prof. Andrea Sgarro	“Origin and Development of Informatics”
16:00 16:15	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
16:15 17:30	Lecture	Rigoni Stern Institute	Prof. Bert Sakmann	<i>“From Single Cells and Single Columns to Cortical Networks”</i>
17:30 19:00	Free Time			
19:00 20:30	Dinner	Hotel Vescovi, Asiago	Summer School organisers and students	Dinner

## 01 September 2018 –Asiago, Italy

8:00 8:45	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
9:00 10:00	Lecture	Rigoni Stern Institute	Prof. Denis Bastieri	<i>"Ashen Light"</i>
10:00 11:00	Workshop	Rigoni Stern Institute	Prof. Denis Bastieri	<i>Preparation to an evening at the telescope</i>
11:00 11:15	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
11:15 12:30	Workshop	Rigoni Stern Institute	Prof. Samir Suweis	<i>"Statistical Physics from startling Flocks to Eco-Networks"</i>
12:30 13:30	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
13:30 19:00	Free Time			
19:00 20:30	Dinner	Hotel Vescovi, Asiago	Summer School organisers and students	Dinner
20:30 21:00	Transfer	From Hotel Vescovi to Observatory	All	By bus
21:00 22:30	Workshop	Astronomical Observatory of Asiago	Prof. Siviero and Prof. Bastieri	<i>An evening at the telescope</i>

## 02 September 2018 – Asiago, Italy

8:00 8:40	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
	Free day			

## 03 September 2018 – Asiago, Italy

8:00 8:40	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
8:40 9:00	Transfer	Rigoni Stern Institute	Summer School organisers and students	On foot
9:00 10:00	Lecture	Rigoni Stern Institute	Prof. Massimo Turatto	<i>“From the Chinese’s Supernova of AD 1054 (Crab Nebula) to Dark Energy”</i>
10:00 11:00	Lecture	Rigoni Stern Institute	Prof. Gabriele Vedovato	<i>“First Observations of Gravitational Wave Signals”</i>
11:00 11:15	Coffee Break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
11:15 12:30	Workshop	Crociferi Foundation	Prof. Kim Anne Barchi	<i>Mini Presentations by students</i>
12:30 14:00	Lunch	Rigoni Stern Institute	Summer School organisers and students	Lunch
14:00 15:00	Leisure Time			
15:00 15:45	Transfer	From Rigoni Stern Institute to cooking class	All	On foot
15:45 19:00	Workshop + Dinner	Cooking class	Chef Mariano Meneghini Students	<i>Cook like an Italian mum: learn how to cook the Italian way</i>
Evening	Leisure	Free time	All	

## 04 September 2018 – Transfer to Padova, Italy

8:00 8:40	Breakfast	Hotel Vescovi, Asiago	Summer School organisers and students	Breakfast
8:40 9:00	Transfer		Summer School organisers and students	On foot
09:00 11:00	Lecture	Rigoni Stern Institute	Prof. Lucia Regolin	<i>“Number Space Mapping in the Newborn Chick”</i>
11:00 11:15	Coffee break	Rigoni Stern Institute	Summer School organisers and students	Coffee break
11:15 12:30	Lecture	Rigoni Stern Institute	Prof. Marco Bertamini	<i>“Mirror cognition What we can learn from what people cannot learn about mirrors.”</i>
12:30 13:30	Lunch	Hotel Vescovi, Asiago	Summer School organisers and students	Lunch
14:30 16:00	Transfer	Transfer to Padova	All	By bus
16:00	Check-in	Hotel	All	
Evening	Free Time			

## 05 September 2018 – Padova, Italy

8:00 8:40	Breakfast	Padova	Summer School organisers and students	Breakfast
8:40 9:00	Transfer	From Hotel to Centro Linguistico di Ateneo, UniPd	Summer School organisers and students	On foot
9:00 10:00	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Luigi Galimberti	<i>"Solving the Problem of Cocaine Addiction"</i>
10:00 11:00	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Maurizio Corbetta	<i>"Studying the Brain to understand the Mind"</i>
11:00 11:15	Coffee break	Centro Linguistico di Ateneo, UniPd	Summer School organisers and students	Coffee break
11:15 12:30	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Giacomo Rizzolatti	<i>"Neural Mechanisms for Understanding Others"</i>
12:30 14:30	Lunch		Summer School organisers and students	Lunch
14:30 15:30	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Rodolfo Costa	"Circadian Rhythms"
15:30 16:30	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Sara Montagnese	<i>"Why do we sleep?"</i>
16:30 16:45	Coffee break	Centro Linguistico di Ateneo, UniPd	Summer School organisers and students	Coffee break
16:45 17:45	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Andrea Pilastro	<i>"Sex and Evolution»"</i>
Evening	Leisure Time	Free time	All	

## 06 September 2018 – Padova, Italy

8:00 8:40	Breakfast	Padova	Summer School organisers and students	Breakfast
8:40 9:00	Transfer		Summer School organisers and students	
9:00 10:30	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Pierluigi Luisi	<i>"What is Life"</i>
10:30 10:45	Coffee Break	Centro Linguistico di Ateneo, UniPd	Summer School organisers and students	Coffee break
10:45 12:00	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Diego Poli	<i>"The cultural interplay between China and the West: from Marco Polo to Matteo Ricci"</i>
12:00 13:00	Lunch	Centro Linguistico di Ateneo, UniPd	Summer School organisers and students	Lunch
13:00 14:00	Free Time			
14:00 15:00	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Sergio Durante	<i>"Flashes of Music history in the Venetian State – 1"</i>
15:00 15:15	Coffee Break	Centro Linguistico di Ateneo, UniPd	Summer School organisers and students	Coffee break
15:15 17:30	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Sergio Durante	<i>"Flashes of Music history in the Venetian State – 2"</i>
17:30 19:00	Lecture	Centro Linguistico di Ateneo, UniPd	Prof. Gian Piero Brunetta	<i>"Cinema and its Impact on Society"</i>
Evening	Leisure	Free time		

## 07 September 2018 – Aquileia, Italy

7:00 7:45	Breakfast	Padova	Summer School organisers and students	Breakfast
	Free day			



## 08 September 2018 – Padova, Italy

8:00 8:40	Breakfast	Padova	Summer School organisers and students	Breakfast
8:40 9:00	Transfer		Summer School organisers and students	On foot
9:00 10:30	Visit	Palazzo Bo, University main building	Summer School organisers and students	Tour of the Palazzo Bo
10:30 11:30	Lecture	University of Padova, Bo Palace, Archivio Antico	Prof. Giulio Giorello	“Philosophical Freedom in Scientific Research and Art Practice”
11:30 11:45	Coffee Break	University of Padova, Bo Palace, Archivio Antico	Summer School organisers and students	Coffee break
11:45 13:00	Certificates	University of Padova, Bo Palace, Archivio Antico	Summer School organisers and students	Attendance certificates to Summer School Students
13:00 14:00	Lunch	University of Padova	Summer School organisers and students	Lunch Buffet
Afternoon and evening	Leisure	Free Time	All	

## 09 September 2018 – Padova, Italy

8:00 8:45	Breakfast	Padova	Summer School organisers and students	Breakfast
8:45 9:00	Check-out	Padova	Summer School organisers and students	Check-out from Hotel
9:00 10:00	Transfer	From Padova to Noventa del Piave	Summer School organisers and students	By bus
10:00 14:30	Shopping	Noventa del Piave	Summer School organisers and students	Shopping at the Noventa del Piave's Outlet
14:30 15:30	Transfer	From Noventa del Piave to Venice Airport	Summer School organisers and students	
TBC	Flight	Venice International Airport	Summer School students	

# Lectures

The lecturers are recognized authorities in their fields. Some will need more than one lecture to complete the coverage of their topics. They will provide short abstracts of their presentations, and some references (possibly with reprints) to the topics they will cover. The total number of hours/Lectures will be 60 or more.

## Art and General Culture

*Four Centuries of Art in Venice: Painting* - Ilaria Andreoli

*Four Centuries of Art in Venice: Sculpture* - Ilaria Andreoli

*Perspectives in Western Philosophy* - Andrea Baldini

*Italy for Beginners* - Kim Anne Barchi

*English for Academic Purposes* - Kim Anne Barchi

*English for Presentations* - Kim Anne Barchi

*Cinema and its Impact on Society* - Gian Piero Brunetta

*Gods and Heroes of Ancient Roman Religion as Subject in Italian Art* - Isabella Colpo

*Flashes of Music History in the Venetian State* - Sergio Durante

*A very special Water Town: the Construction of Venice* - Paola Pellegrini

*Palladio, one of the most influential Architects of the World* - Paola Pellegrini

*Lecture and Visit of Palladio's landmarks in Vicenza* - Paola Pellegrini

*Venetian Glass Art and Science* - Cinzia Sada

*Venice, the floating City. Hints on Art, Mysteries and Curiosities* - Veronica Santini

*Italian Art Glossary: an illustrated Journey through the main Characters, Symbols and Styles of Italian Art* - Veronica Santini

*The cult of Saints in Western Religion* - Francesco Veronese



General  
Culture  
and Arts

## In Asiago and Padova (Science-related topics)

*Comets from Ancient China to Modern Astrophysics* - Cesare Barbieri  
*Ashen Light* - Denis Bastieri  
*Space Exploration: Focus on Mars* - Stefano Debei  
*Origin and Evolution of the Universe* - Giancarlo Setti

Astrophysics

*Optical Communications: from Prehistoric Times to Modern Times* - Carlo Sameda  
*Statistical Physics: from startling Flocks to Eco-Networks* - Samir Suweis  
*From the Chinese's Supernova of AD 1054 (Crab Nebula) to Dark Energy* - Massimo Turatto  
*First observations of gravitational wave signals* - Gabriele Vedovato

Physics

*The Origin of Oceans* - Fabrizio Nestola  
*Oceans from the Stars* - Ivano Bertini

Geology

*Origin and Development of Informatics* - Andrea Sgarro

Informatics

*Genetics in the Study of Human Evolution* - Guido Barbuiani  
*Symbolic thinking of the Neandertals* - Francesco D'Errico  
*Cultural Evolution towards the Post-Human* - Giuseppe Longo  
*Apes-like Ancestors and Extinct Humans of the Deep Time* - Giorgio Manzi  
*New Clocks and Microscopes to Reconstruct Human History* - Claudio Tuniz

Paleo-  
anthropology

*Circadian Rhythms* - Rodolfo Costa  
*Why do we sleep?* - Sara Montagnese  
*What is Life* - Pier Luigi Luisi  
*Sex and Evolution* - Andrea Pilastro

Biology

*Mirror cognition What we can learn from what people cannot learn about mirrors.* - Marco Bertamini  
*Spontaneous Brain Activity: a Key for Understanding the Mind* - Maurizio Corbetta  
*Solving the Problem of Cocaine Addiction* - Luigi Gallimberti  
*Number Space Mapping in the Newborn Chick* - Lucia Regolin  
*Neural Mechanisms for Understanding Others* - Giacomo Rizzolatti  
*From Single Cells and Single Columns to Cortical Networks* - Bert Sakmann

Neuroscience

*Fabrication, Falsification and Plagiarism: Detection and Prevention* - Enrico Bucci  
*Scientific Frauds and Errors: the Dark Side of Science* - Ernesto Carafoli  
*Philosophical Freedom in Scientific Research and Art Practice* - Giulio Giorello  
*Cultural Evolution: towards the Post-Human* - Giuseppe Longo  
*The Cultural Interplay between China and the West: from Marco Polo to Matteo Ricci* - Diego Poli  
*Neuropsychology of scientific misconduct* - Giuseppe Sartori

Interdisciplinary