



# Vishwaniketans University

## Dept. of Civil Engineering & College of Architecture

27 February 2022

### Coordinator of the Summer Course

Donato Abruzzese, prof.

[www.linkedin.com/in/donato-abruzzo-71220710/](http://www.linkedin.com/in/donato-abruzzo-71220710/)

### Teachers/Supervisors

1-Donato Abruzzese, prof.

[www.linkedin.com/in/donato-abruzzo-71220710/](http://www.linkedin.com/in/donato-abruzzo-71220710/)

2- Andrea Micheletti, prof.

[www.researchgate.net/profile/Andrea-Micheletti-3](http://www.researchgate.net/profile/Andrea-Micheletti-3)

3 -Alessandro Tiero, prof.

<https://art.torvergata.it/simple-search?query=tiero&needescape=1>

4- Pierluigi Abiuso, Dr. PhD.

[www.linkedin.com/in/pierluigi-abiuso-620266a5/](http://www.linkedin.com/in/pierluigi-abiuso-620266a5/)

5- Daniele Sansoni, Dr. PhD.

[www.linkedin.com/in/daniele-sansoni-1a9641170/](http://www.linkedin.com/in/daniele-sansoni-1a9641170/)

### Daily Assistants/Instructors

1. Sreymom VUTH, MS Civil Engineer

[www.linkedin.com/in/srey-mom-vuth-a5ab1784/recent-activity/](http://www.linkedin.com/in/srey-mom-vuth-a5ab1784/recent-activity/)

2. Davide Bracale, MS Civil Engineer

3. Carlo Marocchini, MS Civil Engineer

### Subjects and lectures

4 lecture by prof. Abruzzese (a)

4 lecture by prof. Micheletti (b)

4 lecture by prof. Tiero (c)

4 lecture by Dr. Abiuso (d)

5 lecture by Dr. Daniele Sansoni (e)

7 sessions of practicing activities (e) by the instructors.

The lectures and the sessions last 2 conventional hours (1h40') each-

Total time for lectures and sessions:  $45 + 38 = 83$  hours.

This period is equivalent about 8 CFU (University Formative Credits), since 1 credit corresponds to ideal 25 hours of study, 10 hours given by direct teaching, 15 hours as personal time organized by the student.

## **Lectures scheduling:**

### 1<sup>st</sup> week:

- 2 lectures (4 hours) in the morning 3 times/week (12 hours frontal teaching)
- 1 afternoon practicing sessions (2 hours) - (3 times /week) ->6 hours

### 2nd week:

- 2 lectures (4 hours) in the morning 3 times/week (12 hours frontal teaching)
- 1 afternoon practicing sessions (2 hours) - (3 times /week) ->6 hours

### 3rd week:

- 1 lecture (2 hours) in the morning 3 times/week (6 hours frontal teaching)
- 1 afternoon practicing sessions (2 hours) - (3 times /week) ->6 hours

### 4th week

- 1 lecture (2 hours) in the morning 3 times/week (6 hours frontal teaching)
- Assignment and explanation of the project

- 1 afternoon practicing sessions (2 hours) - (3 times /week) ->6 hours
- Training for the project

### 5<sup>th</sup> week

- 1 lecture (2 hours) in the morning 3 times/week (6 hours frontal teaching)
- Assignment and explanation of the project

- 1 afternoon practicing sessions (2 hours) - (3 times /week) ->6 hours
- Training for the project

### 6<sup>th</sup> week

- Project preparation.
- Plenary session Presentation of the projects.
- Closing ceremony. Certificate distribution.

## **Details of the lectures and didactic activity.**

- Introduction to professional structural design
- Some topic inside the basic mechanics
- Strength of material and relations with the structural elements
- Introduction to the correct computational methods
- Architectural composition inside the structural safety

## **Description of the didactic application and practicing**

The student will be in group of 3 or 4, including both students from the architectural and civil engineering curriculum.

The teachers will assign a theme to each group and the students will develop it collaboratively. The instructors will guide the groups in carrying on the project. For this activity more 6 hours by the instructors are foreseen.

Total number of teaching/seminar hours by Professors and PhD lecturers:

24 lessons of 2 hours/each= 48 hours

Total number of seminar/training hours by assistants, PhD students and Master graduate engineers:

18 session of 2 hours/each = 36 hours

### **Other activities scheduling**

First week

Introduction to Italy and Roman history and architecture 3 hours lecture

Visit to some emblematic monumental architecture of Roman time Wed -> all the morning

Second week

Introduction to Italian modern architectures and structures - 2 hours lecture

*It is expected that the students already have some knowledge related to the architecture subjects and to the structural design. It will be better to receive and give lectures to at least 3<sup>rd</sup> grade completed students. If the students belong to lower grade, we cannot guarantee a full understanding of the lectures, as well as the full understanding and development of the projects.*

*Period of the Summer Course . June 15-July 25*

## **Compensation of the lectures**

Lessons and seminars: 150 €/hours.

Total compensation: 45 hrs x 150 € = 6750 €

Training: 70 €/hours.

Total compensation: 38 hrs x 70 € = 2660 €

**TOTAL COMPENSATION 9410,00 €**

When decided everything, program, period and lecturers/assistants, we can define also the compensation, in our opinion related to the number of lessons instead than the number of participant Indian students.

We will sign a simple agreement for this Summer Course and for the compensation fee.

The compensation cost will be transferred to the Department of Civil Engineering and Computer Sciences Bank account within 60 days after the start of the Summer Course. It will include all the possible local taxes which will be managed by the University of Rome "Tor Vergata" administrative offices.