

University of Rome , Tor Vergata, Italy

International Summer Internship Program (ISIP)

Period: 6 weeks

Duration: 16th June 2023 – 30th July 2023

Who can Participate: Any civil engineering student

Total fees: Rs. 260500/- Includes: Tuition fees, Excursions, Accommodation, Airfare, Visa , Insurance, Pick up and drop from airport, Food

Course details:

Internship Modulus at *University of Rome“Tor Vergata”*

Summer 2023

Coordinator of the Course

Donato Abruzzese, prof.

www.linkedin.com/in/donato-abruzzese-71220710/

Teachers/Supervisors

1-Donato Abruzzese, prof.

www.linkedin.com/in/donato-abruzzese-71220710/

2- Andrea Micheletti, prof.

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/

5- Daniele Sansoni, Dr. PhD.

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/

2. *Davide Bracale, MS Civil Engineer*
3. *Carlo Marocchini, MS Civil Engineer*

Subjects and lectures

- 3 lecture by prof. Abruzzese (a)
 - 3 lecture by prof. Micheletti (b)
 - 3 lecture by prof. Tiero (c)
 - 3 lecture by Dr. Abiuso (d)
 - 3 lecture by Dr. Daniele Sansoni (e)
- (it means **30 conventional hours** of lesson)

10 sessions of practicing activities (2 hours each) by the instructors.
The lectures and the sessions last 2 conventional hours (1h40') each-
Total time for lectures and sessions (about):50 hours.

This teaching period is equivalent about to 5 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:

First week:

2 lectures in the morning – Thu Thur Fri -> 12 hours

1 afternoon practicing sessions - Thu Wed Thur ->9 hours

Second week:

2 lectures in the morning – Mon Thu Thur -> 12 hours

1 afternoon practicing sessions - Mon Thu ->6 hours

Third week:

1 lecture in the morning – Mon Thu Thur-> 6 hours

1 afternoon practicing sessions - Mon Thu Thur ->6 hours

Forth week

Project preparation.

Plenary session Presentation of the projects.

Closing ceremony. Certificate distribution.

Details of the lectures and didactic activity.

- (a) Introduction to professional structural design
- (b) Some topic inside the basic mechanics
- (c) Strength of material and relations with the structural elements
- (d) Introduction to the correct computational methods
- (e) 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.

Other activities scheduling

First week

Introduction to Italy and Roman history and architecture Mon ->3 hours

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

Second week

Introduction to Italian modern architectures and structures

Visit to some emblematic modern architecture in Rome Wed -> all the morning

Third week

Visit to Ostia Antica – archaeological area of the city of Rome near the sea. By bus -> all the morning.

Visit to Rome Walls Museum, located in one of the old roman masonry gate of the original city.

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 3rd grade completed students.