Rectoral Decree n. 242/2018

THE RECTOR

HAVING REGARD TO the Statute of Politecnico di Bari issued with Rector Decree n. 128 dated 19.04.2012;

HAVING REGARD TO Ministerial Decree of 22.10.2004, n. 270, "Amendments to the Regulations concerning the teaching autonomy of Universities", approved by Decree of the Minister of University and Scientific and Technological Research of 3.11.1999, n. 509;

HAVING REGARD TO the University Educational Regulations of the Politecnico di Bari, issued with Rector Decree n. 128 of 19.04.2012;

HAVING REGARD TO the Public Notice of the Apulia Region n. 2 / PAC / 2017 "Actions for the realization of Summer School promoted by the Apulian Universities" approved with Executive Determination n. 755/2017, published in the BURP n. 68/2017;

HAVING REGARD TO the list of approved and funded projects, published on the BURP n. 95 of 10.08.2017;

HAVING REGARD TO the project SMA03, submitted by Politecnico di Bari together with the Artisan Zone Committee of the Municipality of Bitonto, whose Scientific Director is Prof. Nicola Parisi (CUP: D53C18000020008);

HAVING REGARDS TO the decision of the Academic Senate of 31.01.2018 related to the establishment of the SMA03 Summer School. In that decision, it was approved the educational program proposed by the Scientific Director and the Scientific Committee, whose task is the didactic and scientific coordination, the selection of the participants, according to the criteria defined in this Call for applications;

DECREES

The Call for the admission to the Summer School "SMA03", whose text is an integral part of this decree, is issued.

Call for the admission to the Summer School "SMA03"

1 – Objectives

The Summer School SMA03 is organized into a theoretical study program and practical application of the techniques of parametric modelling and digital manufacturing applied to architecture.

In particular, we want to implement knowledge and methods related to the "digital manufacturing", and to deepen the innovative component that these latter introduce in the technical and technological aspects (Industry 4.0) in the project of architecture, in relation to the processes of "parametric design", to the additive and subtractive manufacture, to machining systems CAD/CAM. The aims are the enrichment and the renewal of the traditional project approach and the implementation of the instruments in the context of the different productive sectors.

The general objective of the Summer School is the promotion of economic and social development of the territory through the creation of new employment opportunities in the field of innovation in the crafts and in the architecture, and the focus on a theme of urban regeneration of an area with the presence of a historical-architectural object of protection.

The scope of intervention is contextualized in the productive sectors and in the premises of the most relevant and regional characterized professionalism, that require updating of skills and practices in use with a view to promoting an approach that detects the industry 4.0.

The learning objectives both relate to the implementation of knowledge, in the context of innovative process aming to handicraft production, and the acquisition of skills of the analysed using tools (design and production). The main expected results are therefore:

a) knowledge and comprehension skills:

- innovation of the project process;

- technical skills related to the specific production processes;

- management of production processes and the specific economic feasibility.

b) Ability to apply knowledge and understanding, through:

- multidisciplinary management of the project phase, with references to the economic aspects, to the feasibility of the process, to the cultural value;

- adequate use of the potential of computational and prototyping devices for the realisation of models qualitatively appropriate to the sector of the project.

At the end of the Summer school the student will have acquired original multidisciplinary synthesis capacity, which will allow him to interact with the continuous upgrades of technological, economic and social contexts; to be open to exchanges with the different disciplinary fields assuming different points of view; to be able, therefore, to introduce continuous innovation.

 2–Training activity program

The Summer School SMA03 will be carried out from 2nd to 7th July 2018, with the following program:

Tab. 1 – Program

		Monday - 2 luglio	Tuesday - 3 luglio	Wednesday - 4 luglio	Thursday - 5 luglio	Friday - 6 luglio	Saturday - 7 luglio	Sunday
		I	II	III	IV	V	VI	VII
9 - 10	1	OPENING	ON-SITE SURVEY	TALKS	COMPUTATIONAL DESIGN (procedural modelig & optimizzation)	ASSEMBLY + INSTALLATION (case-study experience)	ASSEMBLY + INSTALLATION (case-study experience)	
10 - 11	2	COMPUTATIONAL DESIGN (3D modeling)	COMPUTATIONAL DESIGN (Generative modeling)	COMPUTATIONAL DESIGN (procedural modelig & optimizzation)				
11 - 12	3							
12 - 13	4							
13 - 14		TALKS + Break	Break	Break	Break	Break	Break	
14 - 15	5	DIGITAL FABRICATION & PROTOTYPING* (3D modeling)	DIGITAL FABRICATION & PROTOTYPING* (generative modeling)	DIGITAL FABRICATION & PROTOTYPING* (procedural modeling & optimizzation)	DIGITAL FABRICATION & PROTOTYPING* (procedural modeling & optimizzation)	ASSEMBLY + INSTALLATION (case-study experience)	TALKS + public presentation	
15 - 16	6							
16 - 17	7							
17 - 18	8					TALKS		

LECTURE	PRACTICE	TALKS

The training activity is equal to 54 hours of total commitment, including tutorials, sessions of talks plus the last phase with the presentation of results.
The acquisition of a total of 2 CFU (credits) in ICAR 14 (architectural and urban design) will be corresponded to the training activities mentioned above.

The Summer School will take place at the Technology Center for digital fabrication, seat of the Fablab Poliba (Bitonto, Viale delle Nazioni sc, artisan zone), from 2nd to 7th July 2018.

At the end of the Summer School SMA03, those who have attended at least 80% of the lessons and have passed with positive outcomes the practical exercises, will receive the certificate of attendance at the Summer School with the recognition of n. 2 credits (CFU).

3 - Duration and number of available positions

The course is structured in 6 days, from 2nd to 7th July 2018. The course is to limited enrolment.

The required minimum number of participants to activate the course, is equal to 8, while the maximum number is equal to 27.

4– Admission criteria

Students and recent graduates in Architecture who have achieved the title no more than three years, are allowed to participate to the Summer School.
The above mentioned requirements and qualifications must be owned by the candidates at the expiration date established by this call.
Candidates who, though not in possession of the previously indicated degrees, are in possession of an at-least-two- months research and/or professional experience, related to the themes of the digital fabrication, can also be admitted subject to the assessment and approval of the Scientific Committee of the Summer School.
For degrees issued by foreign institutions, the translation into Italian/English, signed by the candidate under its own responsibility, is required, in order to enable its recognition.
It's up to the Scientific Committee of the Summer School to deliberate on the recognition of the foreign qualifications and only for the participation to the course.

5–Presentation and terms for application

The Summer School is fully funded within the framework of the public call n.2/PAC/2017 of Apulia Region, and is therefore free for the winners of the selection who will also receive board and lodging in the headquarters for the entire duration of the activities.

Applications must be exclusively submitted through online procedure available on www.poliba.it/didattica/sma03, within and not beyond **12:00 am of May, 31st 2018** enclosing:

- signed copy of a valid identity document;

- curriculum and further portfolio (as an integral and final part of the curriculum itself).

More information are available on the following website of Politecnico di Bari http://www.poliba.it/didattica/summer-school-sma03 and on the website of the Fablab Poliba to http://www.fablabpoliba.org/event/summer-school-sma03/.

Applications submitted after the deadline will not be accepted.

Applications submitted differently from the term indicated in the present article, will not be admitted.

6–Scientific Committee and selection results

The Scientific Committee is entrusted with the educational and scientific coordination of the Summer School SMA03. To the above mentioned Scientific Committee also competes the selection of candidates on the basis of the applications received.

If the number of requests for participation is higher than the maximum referred to art. 3 of this call, a ranking taking into account of the following requirements, will be filled out:

• for graduates (Bachelor or Master) the grade of the degree, as well as a curriculum and a further portfolio, will be evaluated.

• For students, the school career deduced from the curriculum studiorum will be evaluated and, therefore, the number of exams passed at the date of expiry of the call and the final grade, as well as a curriculum and further portfolio.

• For all other candidates (non-students and not graduates) the documented experience at least of two years in the field of the digital fabrication will be evaluated, through a curriculum and further portfolio.

The result of the selection and the list of candidates admitted to the Summer School SMA03, will be published on the Register of Politecnico di Bari.

7 – Processing of personal data

In accordance with Legislative Decree n. 196\2003 the confidential nature of the information provided by each candidate will be respected. All data provided will be processed for the purposes related and instrumental to the selection and for winners, for purposes connected with the activities of the Summer School SMA03, in compliance with the provisions in force.

In any case, the participation to the selection and, then, to the formative course involves, in compliance with the principles referred to the abovementioned law, expression of tacit consent for the publication of personal data of the candidates and those relating to the ranking lists on the website of the University.

Holder of the processing of data is Politecnico di Bari.

Reference is made to the provisions referred to the Legislative Decree 196/2003 and for what is not expressly mentioned herein.

8 – Responsible person in charge of the procedure

The responsible person in charge of this procedure is dr. Stefania Teresa Petruzzelli, - Research and International Relations - Resources and Institutional Services Management of Politecnico di Bari (tel. 080/5962584 e-mail Stefaniateresa.petruzzelli@poliba.it - Via Amendola n. 126/B, 70126 Bari).

Bari, 15.05.2018

(Signed)

The Rector
Prof. Eugenio Di Sciascio