

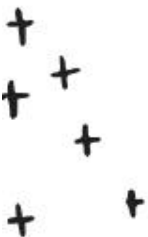


UNIVERSITAS GADJAH MADA
VOCATIONAL COLLEGE



SUMMER COURSE 2023

VOCATIONAL COLLEGE
UNIVERSITAS GADJAH MADA



DIGITAL MANUFACTURING: A SHORT COURSE

Department of Mechanical Engineering

Dates: **15-29 August 2023**

Credits Awarded: **4**

Language: **English**

Total Hours: **50 hours**

Scheme: **Offline**

Tuition fees: **100 USD**

Department's Website: <https://teknikmesin.sv.ugm.ac.id/>

Contact Person: **Mr. Irfan Bahiuddin** (irfan.bahiuddin@ugm.ac.id)

ABOUT US

Mechanical Engineering Department of Vocational College UGM, a campus that provides proper facilities in all fields by utilizing technological developments. We are proud to offer partner students to take part in the summer program at Vocational College UGM. Students will not only gain knowledge, experience, and skill development, but they will also get supporting facilities during class activities.

ABOUT THE PROGRAM

The Department of Mechanical Engineering provides special practice for partner students to gain deeper knowledge about Digital Manufacturing and Rapid Prototyping. Students will receive material including: rapid prototyping techniques, the processes carried out, the tools used and how to use them, and create innovative product concepts and implement them in real-world applications. The result of this program is to provide training to students to make products using 3D printing effectively using technological developments.

THE PROGRAM FEATURES

During your 2 weeks of intensive study at Vocational College UGM, you will be present for 7 hours per day with various subjects. There are several learning outcomes that will be achieved in this course: understand and use techniques for processing of CAD models for rapid prototyping, understand and apply fundamentals of rapid prototyping techniques, demonstrate appropriate tooling for rapid prototyping process, and use rapid prototyping techniques for reverse engineering. Moreover, you can improve your skills in Rapid Prototyping techniques, CAD 3D Design, and Wood Laser Cutting.

CURRICULUM FOR DIGITAL MANUFACTURING: A SHORT COURSE

DATE	HOURS				
	09.00-10.00	10.00-11.00	11.00-12.00	13.00-15.00	15.00-16.00
WEEK 1					
15/08/23	Opening ceremony	Rapid Prototyping and digital manufacturing concept		Computer Aided Design: Introduction, sketching, part, and assembly	
16/08/23	Hands on			3D Printing: introduction, workflow, filament, slicer	
18/08/23	Hands on				
21/08/23	3D Scanner: Introduction, projection method			Hands on	
22/08/23	Implementing 3D Scanner and 3D Printing on a rapid prototyping process			Hands on	
WEEK 2					
23/08/23	Laser Cutting: CNC Concept			Hands on	
24/08/23	Laser Cutting: Procedure, Main Components, Safety aspect			Hands on	
25/08/23	Hands on			Mini project	
26/08/23	Mini project				
27/08/23	Group Presentation & Reporting			Closing	

TIMELINE

Digital Manufacturing: A Short Course

17 April 2023

Registration Start Date

11 June 2023

Registration Due Date

23 June 2023

Academic Selection & LO (Letter of Offer) Due Date

30 June 2023

Payment Due Date

7 July 2023

LoA (Letter of Acceptance) Due Date

15 August 2023

Program Start Date

29 August 2023

Program End Date



APPLICATION PROCEDURE

1. Participants can apply for a Summer Course at Sekolah Vokasi Universitas Gadjah Mada (Vocational College Universitas Gadjah Mada) by entering the admission website: www.admission.ugm.ac.id/registration
2. Participants can select one of the following Summer Courses offered by Sekolah Vokasi Universitas Gadjah Mada:
 - a. EXCEL: Indonesian Culture
 - b. Digital Manufacturing: A Short Course
 - c. Infrastructure Management
 - d. GIS Technology for Disaster Management
 - e. Digital Transformation: Lecture and Workshop Series
 - f. Tropical Agrosilvopasture for Sustainable Nature-Based Product Development
 - g. ECO-ENTREPRENEUR (Banking and Service Industry Digitalization in Indonesia)
3. After successful completion of the application process, participants will receive the invoice for program fee remittance

PROGRAM FEES

1. The program fee for each Summer Course at Sekolah Vokasi Universitas Gadjah Mada in 2023 is USD 100 (IDR 1,500,000)
2. This program fee excludes round-trip flight tickets, visa, insurance, accommodation, meals, and local transportation outside the scheduled activities
3. Participants will be charged additional fees for accommodation if necessary. Please contact uia.sv@ugm.ac.id for any inquiries.



ACCOMODATION FEES

1. Participants are permitted to stay at any hotels/apartments nearby UGM during the Summer Course. The charges to the hotel/apartment room will be borne by the participants
2. Participants who wish to stay at UGM student dormitory during the Summer Course will be charged additional fees. The room is shared for two persons. Please contact oia.sv@ugm.ac.id a month before your departure if you want to book a room.

REMITTANCE INSTRUCTION

A. PROGRAM FEE REMITTANCE

1. All the participants who have passed the application selection on the admission system submission will get a Letter of Offer which contains the detailed fee and also the methods about the payment. The payment can be made online through the UGM Admission System. Kindly follow the instructions on the system. Please proceed through the payment option in the online admission system (<https://admission.ugm.ac.id/registration/>).
2. Deadline of the remittance will be informed to your account at <https://admission.ugm.ac.id/registration/>

B. ACCOMMODATION FEE REMITTANCE

In accordance with the accommodation fee remittance, participants who plan to stay at UGM student dormitory will be contacted by the committee prior to their departure.



Office International Affairs of Vocational College UGM

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Phone +62274-541020

E-mail oia.sv@ugm.ac.id

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Yogyakarta, Indonesia 55281.**

Website www.sv.ugm.ac.id