



University of Mosul  
College of engineering  
Mechanical department

# Sand Laboratory

## **:Laborator Goals:**

- The student obtains a high standard level of basic scientific knowledge
- practical, Building scientific expertise according to a applied approach that opens horizons of creativity before them
- Motivating students towards innovations and solid scientific application methods
- -Nominating the process of scientific thinking and self fic education for the student to raise his scienti implementing his basic and applied information abilities through implementing and discussing scientific .experiments within this specialization

## **Main Laboratory Devices:**

- 1- Pulp drying oven
- 2- Sand size measuring device
- 3- Sand extrusion measuring device
- 4- purpose machine-Multi
- 5- Sample tamping device
- 6- Sand washing device
- 7- Humidity measuring device
- 8- Single pan slide scale
- 9- Sand granules crushing device
- 10- Electron balance

## **: Experiments names**

- (Determine the percentage of silt (clay
- of sand Determine the moisture content
- Determine the size of sand grains
- Determine the rate of sand extinction



## **:Laboratory workers**

<b>Certificate and specialization</b>	<b>staff</b>	<b>name</b>	<b>No.</b>
PhD in manufacturing operations	Laboratory supervisor	Dr. Omar Jumaa	.1
Master's degree in production and metallurgy	Laboratory supervisor	Qayis H. Ismaeel	.2

Bachelor's degree in Production and metallurgy	Laboratory official	Abdullah Bakr Ahmed	.3
--	---------------------	------------------------	----