

# جامعة المجمعة عمادة الجودة وتطوير المهارات



# Majmaah university The deanship of quality and skills improvement

Chemistry program
College of education in Zulfi

Code MUP16

Outline of the course learning outcomes and the program learning outcomes:

### **course code** chem111

#### The course learning outcomes

The course learning outcomes	
To identify some of the basic mathematic rules and relationships in the chemistry of gases, liquids, fluids and solids.	1
	2
The student is to be familiar with the basis of basic theories and principles in the chemistry of gases, liquids, fluids and solids.	
	3
The student is to be aware of how to investigate and analyze rules and facts in the chemistry of gases, liquids, lotions, and solids.	
Explaining, criticizing, and analyzing results while solving problems creatively, with providing innovative solutions.	4
Inducing the collaborative work and communication among students – taking responsibility towards the individual and society with a commitment to Islamic values as well as innovating solutions to the problems.	5
Communicating verbally and in writing - application of mathematical methods when solving problems	6
	7



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# \*الخريطة: Outline

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	the program learning outcomes Using symbols of learning outcomes																	
<b>d</b> <sub>3</sub>	$\mathbf{d}_2$	$\mathbf{d_1}$	<b>c</b> <sub>5</sub>	c <sub>4</sub>	<b>c</b> <sub>3</sub>	$\mathbf{c}_2$	$\mathbf{c_1}$	$\mathbf{b}_6$	<b>b</b> <sub>5</sub>	<b>b</b> <sub>4</sub>	<b>b</b> <sub>3</sub>	$\mathbf{b}_2$	<b>b</b> <sub>1</sub>	a <sub>4</sub>	a <sub>3</sub>	$\mathbf{a}_2$	$\mathbf{a}_{\scriptscriptstyle 1}$	Numbers of the course outcomes
																		1
																		2
																		3
																		4
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																		7