

Module Handbook

Module's Name	General Chemistry
Module's Grade	Undergraduate Program (S-1)/Bachelor
Abbreviation /code (if any)	
Subtitles (if any)	
Courses included in the module (if any)	
Semester/year	1/1 st year
Module Coordinator	Dr. Utiya Azizah, M.Pd
Lecturer	Dr. I Gusti Made Sanjaya, M.Si. Rusmini, S.Pd., M.Si.
Language used	Indonesian
Classification in the curriculum	Compulsory course/ elective course
Learning format/number of class hours per week	Per week consists of: 2 hours face to face (1 hour face to face = 50 minutes/hour)
Workload	2x50 minutes face to face, 2x60 minutes structured tasks, 2x60 minutes independent learning, for 14 weeks, a total of 84 hours face-to-face/semester
CU	2
Precondition course	-
Learning Outcome	<p>Knowledge: Mastering basic chemistry concepts and their applications.</p> <p>Skill: Have the skills to apply Basic Chemistry concepts and principles in everyday life responsibly.</p> <p>Competence: Work as an individual as well as a team effectively, have an entrepreneur skills, and awareness of environmental issues.</p>
Content	Study of basic concepts: scientific method, properties of matter, stoichiometry, periodic system of elements, form of matter, energetics, solutions, colloid system, carbon chemistry and biochemistry, and everyday chemicals
Attribut soft skill	Team work Awareness of environtmental issues

Assessment of CLO/exam	<p>Students are considered competent and pass if they get at least a minimum test score of 68 (Mid and Final), and structured activities (assignments/T) and participatory activities (P)</p> <p>The final grade (NA) is calculated according to the formula: $NA = \frac{(2 \times P) + (3 \times T) + (2 \times \text{Mid}) + (3 \times \text{Final})}{10}$</p> <p>Convert the 0-100 scale value to a 0-4 scale and the letters are arranged as follows.</p> <table border="1" data-bbox="618 464 1377 785"> <thead> <tr> <th>Alphabet</th> <th>Score</th> <th>Interval</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4,00</td> <td>$85 \leq A < 100$</td> </tr> <tr> <td>A-</td> <td>3,75</td> <td>$80 \leq A- < 85$</td> </tr> <tr> <td>B+</td> <td>3,50</td> <td>$75 \leq B+ < 80$</td> </tr> <tr> <td>B</td> <td>3,00</td> <td>$70 \leq B < 75$</td> </tr> <tr> <td>B-</td> <td>2,75</td> <td>$65 \leq B- < 70$</td> </tr> <tr> <td>C+</td> <td>2,50</td> <td>$60 \leq C+ < 65$</td> </tr> <tr> <td>C</td> <td>2,00</td> <td>$55 \leq C < 60$</td> </tr> <tr> <td>D</td> <td>1,00</td> <td>$40 \leq D < 55$</td> </tr> <tr> <td>E</td> <td>0,00</td> <td>$0 \leq E < 40$</td> </tr> </tbody> </table>	Alphabet	Score	Interval	A	4,00	$85 \leq A < 100$	A-	3,75	$80 \leq A- < 85$	B+	3,50	$75 \leq B+ < 80$	B	3,00	$70 \leq B < 75$	B-	2,75	$65 \leq B- < 70$	C+	2,50	$60 \leq C+ < 65$	C	2,00	$55 \leq C < 60$	D	1,00	$40 \leq D < 55$	E	0,00	$0 \leq E < 40$
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Reference	<ol style="list-style-type: none"> 1. General Chemistry Team. 2013. <i>Kimia Umum</i>. Surabaya: Department of Chemistry FMIPA Unesa. 2. Brady, James.E.2004. <i>General Chemistry. Principle and Structure</i>. 4th ed. New York. John Willey and Sons, Inc. 3. Chang, Raymond. 2005. <i>General Chemistry the Essential Concepts Third Edition</i>. USA: McGraw Hill. 																														
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