



MINISTRY OF EDUCATION, CULTURE, RESEARCH,
AND TECHNOLOGY
UNIVERSITAS NEGERI SURABAYA
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
DEPARTMENT OF CHEMISTRY

Ketintang Campus, Jalan Ketintang, Surabaya 60231

Telephone : +6231- 8298761, email: kimia@unesa.ac.id, Laman : <http://kimia.fmipa.unesa.ac.id>

MODULE HANDBOOK

Module Name:	English for Chemistry
Module level:	Bachelor
Course Code:	8420402018
Abbreviation, if applicable:	-
Course included in the module, if applicable:	-
Semester/term:	2 nd /First Year
Module coordinator(s):	Dr. Maria Monica Sianita B., M.Si
Lecturer(s):	Dr. Maria Monica Sianita B., M.Si., Prof. Dr. Tukiran, M.Si., Bertha Yonata, S.Pd., M.Pd., Dr. Utiya Azizah, M.Pd., Dr. Mitarlis, M.Pd., Dr. Prima Retno Wikandari, M.Si., Dina Kartika Maharani, S.Si, M.Sc., Rusly Hidayah, S.Si., M.Pd.
Language:	English, Indonesian
Classification within the curriculum:	Compulsory Course
Teaching format/class hours per week during the semester:	2 hours lecturers (50 min per hours)
Workload:	2 x 50 minutes lectures, 2 x 60 minutes structured activity, 2 x 60 minutes individual activity, 14 weeks per semester, 79,33 total hours per semester ~ 3.18 ECTS**
Credit unit:	2 CU = 2 x 1.59 = 3.18 ECTS
Prerequisite course(s):	-
Targeted learning outcomes:	<ol style="list-style-type: none">1. Students have ability to utilize their ability in English, the learning resources, and ICT to support mastery of concepts of chemistry terms, chemicals and chemical equipment in laboratory, and the name of chemical inorganic compounds (<i>nomenclature</i>) in English, and the chemistry process.2. Students have ability to make connection about their knowledge of English Vocabulary, Grammar and Structure with the Chemistry concepts in written text (text books, reading passages, articles, journals).3. Students have ability to utilize their ability of listening and writing strategies to understand speech, lecture, talk, and seminar spoken in English and to make good presentation in English.4. Students have responsibility to use their knowledge in English and Chemistry to help people in daily life honestly, and make a better world.
Content:	1. Understanding Chemistry in English: Group activities: Types of Learner; Guidance to read: The Unfamiliar words; Grammar: Part of Speech, Articles,



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	<p>Referring back; Reading Selection: Chemistry in Daily Life.</p> <ol style="list-style-type: none"> 2. Chemicals and Laboratory Equipment: Group activities: Recognizing Chemical equipment in Local Laboratory; Guidance to read: Reading Skill; Grammar: Word order, Types of Sentence; Reading Selection: Laboratory Equipment and their usage. 3. Naming Inorganic Compound: Group activities: Recognizing Chemicals in Daily Life; Guidance to Read: Understanding Main Idea; Grammar: Adjective and Adverb Clause; Reading Selection: Naming Inorganic Substances. 4. Chemical Process: Group activities: Recognizing Chemistry Process; Guidance to Read: Non-prose Reading; Grammar: Adjective clause and Adjective Phrase; Reading Selection: Cycles on Chemistry. 5. Listening Practice on Chemistry: Group activities: To Hear and To Listen; Guidance to Read: Listening Strategies; Grammar: Noun Clause; Reading Selection: Solubility Rules. 6. Writing on Chemistry Topic: Group activities: Question Words use in Writing; Guidance to Read: Writing Paragraph and doing Presentation; Grammar: Passive Sentence; Reading Selection: Errors in Chemistry Measurement. 																																					
Study / exam achievements:	<p>The final grade (<i>NA</i>) is calculated based on the following ratio:</p> <table border="1" data-bbox="608 1364 1417 1606"> <thead> <tr> <th>Assessment Components</th> <th>Percentage of contribution</th> </tr> </thead> <tbody> <tr> <td>Participation</td> <td>20%</td> </tr> <tr> <td>Assignment</td> <td>30%</td> </tr> <tr> <td>Mid-semester test</td> <td>20%</td> </tr> <tr> <td>Final semester test</td> <td>30%</td> </tr> </tbody> </table> <p>Grade conversion of 0-100 scale into 0-4 scale is set as below:</p> <table border="1" data-bbox="608 1677 1406 2024"> <thead> <tr> <th>Letter</th> <th>Number</th> <th>Grade Interval</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>4,00</td> <td>$85 \leq A \leq 100$</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> </tbody> </table>	Assessment Components	Percentage of contribution	Participation	20%	Assignment	30%	Mid-semester test	20%	Final semester test	30%	Letter	Number	Grade Interval	A	4,00	$85 \leq A \leq 100$	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	$40 \leq D < 55$
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	E	0,00	$0 \leq E < 40$
Media:	Computer, LCD, White board		
Learning Methods:	Individuals assignment, group assignment, discussion, presentation, and playing games		
Literature:	<ol style="list-style-type: none"> 1. Sianita, Maria Monica, 2016. <i>English for Chemistry Students</i>. Surabaya: Unesa University Press. 2. Lou, Robby, 2012. <i>English Grammar and How to Use It – Workbook 1</i>. Jakarta: Mobile English e-plus. 3. Atkins, Peter, 2011. <i>Where would we be without Chemistry</i>. Chemistry International, The New Magazine of the International Union of Pure and Applied Chemistry (IUPAC), vol 33 no 2, March – April 2011. 4. Teaching and Learning Unit, University of Melbourne, 2010. <i>Reading Skills</i>, Melbourne: The University of Melbourne. 5. Clarke, Mark A.; Dobson, Barbara K.; Silberstein, Sandra , 2008. <i>Readers' Choice</i>, 5th ed, USA: The University of Michigan Press. ISBN ISBN-13: 978-0472032051 6. Brown, Catrin and Ford, Mike, 2008: <i>Standard Level Chemistry –Developed specifically for the IB Diploma</i>, 1st ed. England: Pearson Education Limited Glaeser. ISBN:978- 0- 435994-46-4. 7. Bauer, Richard C, Birk, James P., Sawyer, Douglas J., 2001. <i>Laboratory Inquiry in Chemistry</i>, Canada: Brooks/Cole. ISBN: 0-534-37694-0. 		
Notes:	<p>*1 credit unit or <i>sks</i> in learning process = three periods consist of: (a) scheduled instruction in a classroom or laboratory (50 minutes); (b) structured activity (60 minutes); and (c) individual activity (60 minutes) according to the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 44 Year 2015 jo. the Regulation of Indonesia Ministry of Research, Technology, and Higher Education No. 50 Year 2018.</p>		
	<p>**1 credit unit or <i>sks</i> = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/UN38/HK/AK/2019</p>		