MODULE HANDBOOK

Module Name	English for Chemistry
Module level	Bachelor
Abbreviation, if applicable	3074212017
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	2nd/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
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 points:	2 CU x 1.59 = 3.18 ECTS
Prerequisites course(s):	-
Targeted learning outcomes:	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 (*nomenclature*) 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.

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<tr><td>Content:</td><td>

Why Chemistry Students should Learn English?: Types of Learner, Language Skills and Reading Skills, The Role of Chemistry in Daily Life, Recognizing Part of Speech in Chemistry Texts (grammar and structure)
Chemicals and Laboratory Equipment: Laboratory Equipment and Their Uses, Non-prose Reading, Process on Chemistry, Word Order on Chemistry Texts (grammar and structure)
Nomenclature: Chemical Substances in Daily Life, How To Be A Better Reader For ESL Students, Naming Inorganic Compound, Types of Sentences on Chemistry texts(grammar and structure)
Validity and Communicating a Research: Validity and Reliability, Error in Measurement, How to Do Presentation on Chemistry, Types of Clauses on Chemistry Texts (1): adverb and adjective clause (grammar and structure)
Listening Practice on Chemistry: Strategy for Listening, Listening on Chemistry Topics, Making Summary of Chemistry Topic’s Video, Types of Clauses on Chemistry Texts (2): Noun Clause (grammar and structure)
Writing on Chemistry Topic: Types of Written Texts, Writing Strategy, Practice Writing on Chemistry Topics, Recognizing Active and Passive Sentence on Chemistry Texts (grammar and structure)

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<tr><td>Attribute Soft skill</td><td>Active communication; Discipline; Collaboration; Responsibility; and Argumentation in class and outdoor setting</td></tr>
<tr><td>Study / exam achievements:</td><td>Students are considered to complete the course and pass if they obtain at least 40% of maximum final grade. The final grade (NA) is calculated based on the following ratio:
<table>
<tr><td>Assessment Components</td><td>Percentage of contribution</td></tr>
<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>
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Grade Conversion of 0-100 scale into 0-4 scale is set as below:</td></tr>
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<tr><td></td><td>
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<tr><th>Letter</th><th>Number</th><th>Grade interval</th></tr>
<tr><td>A</td><td>4.00</td><td>85 ≤ A ≤ 100</td></tr>
<tr><td>A-</td><td>3.75</td><td>80 ≤ A- <85</td></tr>
<tr><td>B+</td><td>3.50</td><td>75 ≤ B+ < 80</td></tr>
<tr><td>B</td><td>3.00</td><td>70 ≤ B < 75</td></tr>
<tr><td>B-</td><td>2.75</td><td>65 ≤ B- < 70</td></tr>
<tr><td>C+</td><td>2.50</td><td>60 ≤ C+ < 65</td></tr>
<tr><td>C</td><td>2.00</td><td>55 ≤ C < 60</td></tr>
<tr><td>D</td><td>1.00</td><td>40 ≤ D < 55</td></tr>
<tr><td>E</td><td>0.00</td><td>0 ≤ E < 40</td></tr>
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<tr><td>Media:</td><td>Computer, LCD, White board</td></tr>
<tr><td>Learning Methods</td><td>Individuals assignment, group assignment, discussion, presentation in english, and playing games</td></tr>
<tr><td>Literature:</td><td>

Sianita, Maria Monica, 2016. English for Chemistry Students. Surabaya: Unesa University Press.
Lou, Robby, 2012. English Grammar and How to Use It – Workbook 1. Jakarta: Mobile English e-plus.
Atkins, Peter, 2011. Where would we be without Chemistry. Chemistry International, The New Magazine of the International Union of Pure and Applied Chemistry (IUPAC), vol 33 no 2, March – April 2011.
Teaching and Learning Unit, University of Melbourne, 2010. Reading Skills, Melbourne: The University of Melbourne.
Clarke, Mark A.; Dobson, Barbara K.; Silberstein, Sandra , 2008. Readers' Choice, 5th ed, USA: The University of Michigan Press. ISBN ISBN-13: 978-0472032051
Brown, Catrin and Ford, Mike, 2008: Standard Level Chemistry –Developed specifically for the IB Diploma, 1st ed. England: Pearson Education Limited Glaeser. ISBN:978- 0- 435994-46-4.

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	7. Bauer, Richard C, Birk, James P., Sawyer, Douglas J., 2001. *Laboratory Inquiry in Chemistry*, Canada: Brooks/ Cole. ISBN: 0-534-37694-0.
Notes:	*1 CU 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.
	**1 CU = 1.59 ECTS according to Rector Decree Of Universitas Negeri Surabaya No. 598/Un38/Hk/Ak/2019