



UNIVERSITAS NEGERI YOGYAKARTA
 FACULTY OF MATHEMATICS AND NATURAL SCIENCES
 DEPARTMENT OF CHEMISTRY
 1 Colombo Street Yogyakarta 55281
 Phone (0274) 565411, Ext. 1398, Fax (0274)548203
 Website: <http://kimia.fmipa.uny.ac.id>, E-mail: kimia@uny.ac.id

Bachelor of Science in Chemistry

MODULE HANDBOOK

Module name:	Internship										
Module level, if applicable:	Undergraduate										
Code:	MKU6302										
Sub-heading, if applicable:	-										
Classes, if applicable:	-										
Semester:	7 th										
Module coordinator:	Jaslin Ikhsan, Ph.D.										
Lecturer(s):	Team Supervisor										
Language:	Bahasa Indonesia and English										
Classification within the curriculum:	Compulsory Course										
Teaching format / class hours per week during the semester:	Field work										
Workload:	Total workload is 136 hours per semester which consists of 150 minutes internship per week for 16 weeks, which is completed during a month.										
Credit points:	3 SKS (5 ECTS)										
Prerequisites course(s):	-										
Course Outcomes	<p>After taking this course, the students have ability to:</p> <p>CO1. Demonstrate piety and good deed in the learning process and internship location</p> <p>CO2. Critically analyze the implementation of chemistry in the industry, research institution, or intership location</p> <p>CO3. Be independent, adaptive and responsible in the internship location</p> <p>CO4. Demonstrate fluency while communicating in the internship location</p> <p>CO5. Write internship reports using formal language</p> <p>CO6. Analyze the strategy and research technique in chemistry to bring innovation in doing research for chemistry undergraduate thesis</p>										
Content:	This course helps students to portray how to work in industry, company or even in research institution										
Study / exam achievements:	<p>The final mark will be weight as follow:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No</th> <th>CO</th> <th>Assessment Object</th> <th>Assessment Technique</th> <th>Weight</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CO1, CO2, and CO3</td> <td>PKL-L</td> <td>Assessment rubrics for PKL-L</td> <td>30%</td> </tr> </tbody> </table>	No	CO	Assessment Object	Assessment Technique	Weight	1	CO1, CO2, and CO3	PKL-L	Assessment rubrics for PKL-L	30%
No	CO	Assessment Object	Assessment Technique	Weight							
1	CO1, CO2, and CO3	PKL-L	Assessment rubrics for PKL-L	30%							

	2	CO4, CO5, and CO6	PKL-A	Assessment rubrics for PKL-A	30%
	3	CO4, CO5, and CO6	Internship final test	Written test with Assessment rubrics for PKL-A	40%
	Total				100%
Forms of media:	Board, LCD Projector, notes, handouts, PPT slides, and stationaries				
Reference:	<p>A. Eric Woodard, 2015, The Ultimate Guide to Internships: 100 Steps to Get a Great Internship and Thrive in It. Allworth Publisher</p> <p>B. Guha, S., Karim, K. and Beni, R. (2020) Chemical Industry and Chemist's Jobs after the COVID-19 Pandemic: A Long-Term Prediction of Employment Outlook for Chemical Professionals. <i>Voice of the Publisher</i>, 6, 69-83. doi: 10.4236/vp.2020.63007.</p> <p>C. G. Feijoo, A. Arce, P. Bello, M. Carballa, M.S. Freire, J.M. Garrido, D. Gómez-Díaz, J. González-Álvarez, S. González-García, M. Mauricio, R. Méndez, M.T. Moreira, A. Mosquera-Corral, J.M. Navaza, M.C. Palacios, E. Roca, E. Rodil, H. Rodríguez, O. Rodríguez, J. Sineiro, A. Soto, M.D. Torres, R. Moreira, 2019, Potential impact on the recruitment of chemical engineering graduates due to the industrial internship, <i>Education for Chemical Engineers</i>, Volume 26, Pages 107-113, https://doi.org/10.1016/j.ece.2018.08.004.</p> <p>D. Mercader-Trejo, A. Rodríguez López, G. López Granada, L.E. Narváez Hernández, R. Herrera Basurto, 2016, Technical internships as a means of acquiring professional skills for future metrologists, <i>Measurement</i>, Volume 84, Pages 1-6, https://doi.org/10.1016/j.measurement.2016.01.040</p> <p>E. Dean of Faculty of Mathematics and Natural Science. (2017). <i>Pedoman praktik kerja lapangan</i>. Yogyakarta: FMIPA UNY</p> <p>F. American Psychological Association. (2010). <i>Publication Manual of the American Psychological Association</i>. Washington DC: APA</p> <p>G. Regulations of Mistry of National Education number 46 year 2009 about standardized spelling in Bahasa Indonesia</p>				

PLO and CO mapping

	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
CO1	✓									
CO2		✓								
CO3			✓							
CO4			✓							
CO5							✓			
CO6										✓