Module Handbook

Modul Name	**Capita Selecta**
Module Level	Bachelor of Chemistry
Abbreviation, if applicable	4720103165
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	7th/ Seventh year
Modul coordinator(s)	Prof. Dr. Suyatno, M.Si. (C1), Prof. Dr. Sari Edi Cahyaningrum, M,Si. (C2), Dr. Pirim Setiarso, M.S. (C3), Dr. I Gusti Made Sanjaya, M.Si. (C4), Dr. Nuniek Herdyastuti, M.Si. (C4)
Lecturer(s)	Prof. Dr. Suyatno, M.Si. (C1), Prof. Dr. Sari Edi Cahyaningrum, M,Si. (C2), Dr. Pirim Setiarso, M.S. (C3), Dr. I Gusti Made Sanjaya, M.Si. (C4), Dr. Nuniek Herdyastuti, M.Si. (C4)
Language	Indonesian Language
Classification within the curriculum	Elective Course
Teaching format/class hours per week during the semester	2 hours lectures (50 min / hour)
Workload	2 hours lecture, 2 hours structured activities, 2 hours individual activities, 14 week a semester, and total 70 hours a semester~ 3.18 ECTS *
Credit point	2 CU = = 2 x 1.59 = 3.18 ECTS
Requirement	-
Learning Outcomes	**General Competence (knowledge)**: Student can conclude recent development in analytical chemistry, physical chemistry, organic chemistry, inorganic chemistry, and bochemistry **Spesific Competence** : At the end of the lecture, students can conclude recent development in analytical chemistry, physical chemistry, organic chemistry, inorganic chemistry, and bochemistry
Content	Course materials discuss the understanding of recent development in analytical chemistry, physical chemistry, organic chemistry, inorganic chemistry, and bochemistry
Study/exam achievements	Students are considered to be competent and pass if at least get 55 Final score is calculated as follows: 20% Participation + 30% Assignment + 20% Midle Exam + 30% Final Exam

	middle exam (UTS)& 30% final exam (UAS) Tableindex of graduation • 0 - 39,999 E, • 40 - 54,999 D, • 55 - 59,999 C, • 60 - 64,999 C+, • 65 - 69,999 B-, • 70 - 74,999 B, • 75 - 79,999 B+, • 80 – 84,999 A-, • 85 – 100, A
Forms of media	Computer, LCD, White board
Learning Methods	Lectures, discussion, problem solving, assignment
Literatur	1. Abdullah, M. (2009). *Pengantar Nanosains*. Bandung: ITB 2. Abdullah, M. (2010). *Karakterisasi Nanomaterial*. Bandung: ITB 3. Dewick, P. M. (2009). *Medicinal Natural Products*. 3rd Edition. New York: John Wiley and Sons, Inc. 4. Glik, B.R. and Pasternak, J.J. (1994). *Molecular Biotechnology: Principles and Application of Recombinant DNA.* Washington, D.C.: ASM Press. 5. Hofmann, A. (2018). *Physical Chemistry Essentials*. Australia: Springer. 6. Karlin, K.D. (2003). *Progress in Inorganic Chemistry*. Vol 51. New Jersey: John Wiley and Sons, Inc. 7. Nelson, D.L. and Cox, M.M. (2003). *Lehninger: Principles of Biochemistry*. 4nd Edition. University of Winconsin Madison 8. Pearce, E.M., *et al.* (2015). *Physical Chemistry Research for Engineering and Applied Sciences*. Vol 3. Canada: Apple Academic Press, Inc. 9. Wang, J. (1994). *Analytical Electrochemistry*. New York: VCH Publisher. 10. Jurnal terkini bidang Kimia Analitik, Kimia Organik, Kimia Anorganik, Kimia Fisika, dan Biokimia
Note	This course is divided into two parallel classes with the materials and ingredients but given the same test in the same time with same lecturers. *Total ECTS = {(total hours workload x 50 min) / 60 min } / 25 hours **Each ECTS is equals with 25 hours**