

	UNIVERSITAS PADJADJARAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES DOCTORAL PROGRAM IN CHEMISTRY	COURSE CODE: 140130-UND202502 069
Module designation	Career Development Skill: Delivering Tutorials	
Semester(s) in which the module is taught	2	
Lecturers	Promotor and co-promotor	
Medium of instruction	Bahasa Indonesia	
Relation to curriculum	Compulsory Course	
Teaching methods	Project-based learning	
Workload	Instructional support: 8 hours Assessment support: 16 hours Administrative support: 32 hours Project support: 34 hours Total workload : 90 hours	
Credit points	2 (2-0) 2 credit = 2 x 1.8 ECTS = 3.6 ECTS	
Required and recommended prerequisites for joining the module	-	
Module objectives/intended learning outcomes	LO1: Students are able to demonstrate responsibility, academic ethics, and sensitivity to diversity by designing and conducting tutorials professionally in accordance with moral values and academic norms. LO2: Students are able to facilitate scientific discussions in tutorials that produce logical and critical chemical solutions or arguments, and communicate them ethically and scientifically to diverse audiences. LO3: Students are able to design and manage problem-based learning tutorials as an interdisciplinary approach to developing research ideas with impact in the field of chemistry.	
Contents	1. Identification of Student Needs 2. Formulation of Tutorial Objectives 3. Preparation of Primary Reference Sources 4. Design of Critical Questions 5. Assignment of Pre-Tutorial Readings 6. Tutorial Implementation 7. Tutorial Implementation 8. Tutorial Implementation 9. Tutorial Implementation 10. Tutorial Implementation 11. Tutorial Implementation 12. Tutorial Implementation	

	13. Monitoring of Student Progress 14. Reflection and Immediate Feedback 15. Evaluation and Formative Assessment 16. Documentation and Follow-up of Tutorial
Examination forms	Project and participation
Study and examination requirements	Final score is evaluated based on project (60%) and Participation (40%)
Reading lists	1. Recent journals related to the Delivering Tutorial topic