

COURSE INFORMATION

EUPeace Alliance University	Justus Liebig University Giessen (JLU)		
Course Title	General Chemistry		
Department and/or Faculty	Faculty 08: Biology and Chemistry Fachbereich 08: Biologie und Chemie		
Course Code	Pending		
Course Type	Course Modality		
<input checked="" type="checkbox"/> Curricular <input type="checkbox"/> Non-curricular	<input checked="" type="checkbox"/> Online <input type="checkbox"/> Synchronous <input checked="" type="checkbox"/> Asynchronous <input type="checkbox"/> Both (A/S)ynchronous		
	<input type="checkbox"/> In-person <input type="checkbox"/> Lecture <input type="checkbox"/> Laboratory		
Date	04/22/2025-07/25/2025		
Language(s) of Instruction	English (B2)		
Course Coordinator	For application: Kirsten Apel VIP@admin.uni-giessen.de 0049 641 99-12221		
Course Instructor	Prof. Dr. Richard Göttlich & Dr. Richard Schindler richard.goettlich@org.chemie.uni-giessen.de 0049 641 99-34301		

TARGET AUDIENCE

Suitable as Pre-Service Teacher Training Course

☐ Pre-primary ☐ Primary ☒ Secondary Lower ☒ Secondary Upper ☐ Tertiary

Suitable as In-Service Professional Development Course

☐ Pre-primary ☐ Primary ☐ Secondary Lower ☐ Secondary Upper ☐ Tertiary

Suitable for non-student body

☐ Administrative staff ☐ Other

TYPE – WORKLOAD – RECOGNITION

Number of hours	180
<input checked="" type="checkbox"/> ECTS Credits	5 (without examination) 6 (with examination)
<input type="checkbox"/> Certificate	

COURSE DESCRIPTION (EN/L1 [if taught in L1])

Content

Atomic structure
 Periodic table of the elements
 Chemical bonding
 Valence structures
 Redox-reactions
 Acid-base chemistry
 Energetic and kinetics of reactions
 Organic compounds, hybridization
 Isomers and nomenclature
 Organic substance groups
 Reaction mechanisms
 Carbohydrates, proteins, fats

Competences & Learning Objectives

LINK to Course Details

Please check Teacher Training on the left:

<https://www.jlu-digitalcampus.de/virtual-course-catalogue>

<https://www.uni-giessen.de/de/studium/studinfo/evv>

(available for the summer semester from 03/01/2025)