

COURSE CODE	COURSE NAME		
COURSE CODE BAC.EAINA.OTCMH.1102	GENERAL CHEMISTRY II		
Credits	US Credits	4	/ ECTS Credits 8
Student Workload	Contact Hours		Personal and/or Teamwork
	• 52.5		225
			Evaluation
			725
Teaching Language	English		
Corequisite	GENERAL CHEMISTRY I		
Discipline	Other		
Course Manager	Yan Grasselli - yan.grasselli@skema.edu		
Instructor	Bruno.chastaingt-ext@skema.edu		
Course Description	This course covers fundamental principles of modern Chemistry including Chemical Kinetics, Chemical equilibria, Nuclear Chemistry, and concepts of industrial Chemistry		
Learning Outcomes	Periodic properties of the elements Properties of solutions Chemical kinetics Chemical equilibrium Additional aspects of aqueous equilibria Chemistry of coordination compounds Stereochemistry spatial representations Conformations and configurations Alkyl halides nucleophilic substitution, Elimination Alkenes addition reactions Alcohols: structure, acid-base, nucleophilicity, Grignard reactions		
Course included in AACSB Assurance of Learning			
Transferable Competences	<input type="checkbox"/> Sustainability <input type="checkbox"/> Ethics <input type="checkbox"/> Artificial Intelligence <input type="checkbox"/> Technological Agility <input type="checkbox"/> Communication <input type="checkbox"/> Research Methods <input type="checkbox"/> Other		

Teaching Methods	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Blended Learning <input checked="" type="checkbox"/> Guided Personal Work <input checked="" type="checkbox"/> Autonomous Personal Work	<input type="checkbox"/> Case Study <input type="checkbox"/> Project <input type="checkbox"/> Seminar <input type="checkbox"/> Other <i>Please specify</i>
Student Assessment	Written Examination 2 midterms tests Final Exam	Coefficient % 40% 35%
	Continuous Assessment: 3 quizzes	Coefficient % 25%
Grading System	Please refer to the Academic Regulations for the grading system used in the BBA Program and further details and for information concerning absences, participation in class, plagiarism, etc.	
References / Books	Required for the course <i>Enter a brief reference to any required reading</i>	Recommended references Brown, Lemay, Bursten, Chemistry: The central Science 12th Edition : Prentice hall
Online reference material	Required for the course Completing all assigned readings prior to class and being prepared for an interactive discussion	Recommended references Readings, materials and tasks will be provided each week in K2.
COURSE CONTENT		
11/01/2024	Properties of solutions (3h00)	
15/01/2024	Properties of solutions (1h30)	
18/01/2024	Properties of solutions and Periodic properties of the elements (3h00)	
22/01/2024	Chemical Kinetics (1h30)	
25/01/2024	Chemical Kinetics (3h00)	
29/01/2024	Chemical Kinetics and Chemical equilibrium (1h30)	
01/02/2024	Chemical equilibrium (3h00)	
05/02/2024	Chemical equilibrium (1h30)	
08/02/2024	Chemical equilibrium (3h00)	
12/02/2024	Chemical equilibrium (1h30)	
13/02/2024	Midterm n°1: 11:30 am-1:00 pm (1h30)	
15/02/2024	Additional aspects of aqueous equilibria (3h00)	

19/02/2024	Additional aspects of aqueous equilibria (1h30)
22/02/2024	Additional aspects of aqueous equilibria (3h00)
26/02/2024	Additional aspects of aqueous equilibria (1h30)
29/02/2024	Chemistry of coordination compounds (3h00)
06/03/2024	Spring break
07/03/2024	Spring break
11/03/2024	Bonding and Molecular structure: Lewis Formula VSEPR, Orbital hybridization and Molecular orbitals (1h30)
14/03/2024	Bonding and Molecular structure: Lewis Formula VSEPR, Orbital hybridization and Molecular orbitals (3h00)
18/03/2024	Stereochemistry Spatial representation: Conformations and Configurations (1h30)
19/03/2024	Midterm n°2: 11:30 am-1:00 pm (1h30)
21/03/2024	Stereochemistry Spatial representation: Conformations and Configurations (3h00)
25/03/2024	Alkenes; alkynes, and aromatic Hydrocarbons (1h30)
28/03/2024	Alkenes; alkynes, and aromatic Hydrocarbons (3h00)
04/04/2024	Organic functional groups and chirality in organic chemistry (4h30)

COMPETENCY BASED APPROACH

Competency	Learning objective(s): by the end of this course students should be able to...	Assessment	Marking criteria
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ECOLOGICAL TRANSITION

Please detail here how the ecological transition is explored in this course: (concepts, activities, group work, project, ...)
[Not applicable in this course.](#)