

COURSE: INTRODUCTION TO CHEMISTRY		
INTERNATIONAL FOUNDATION PROGRAM	YEAR: 2018-2019	TERM: 2º

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION	WEEKLY PROGRAMMING FOR STUDENT		
			Lectures	Seminars		Description	Class hours	Homework hours
1	1	PRESENTATION OF THE COURSE TOPIC 1. STRUCTURE OF MATTER	X			Introduction to the Course. Course structure and Evaluation. Atomic Structure. Atomic magnitudes: Atomic and Mass Number. Electronic structure. Electronic distribution in energy levels: Quantum numbers. Electronic Configurations.	1,66	2,5
	2	TOPIC 1. STRUCTURE OF MATTER TOPIC 2. CHEMICAL BONDING	X			Organization of the elements in the Periodic Table. Periodic Properties. Definition of Ionic, Covalent, and Metallic Bonding. Lewis Structures. Molecular Geometry: Valence-Shell Electron-Pair Repulsion Theory. Polarity of the Molecules.	1,66	2,5
	3	TOPIC 2. CHEMICAL BONDING	X			Valence Bond Theory. Hybridization of Atomic Orbitals (sp, sp ² , sp ³). Intermolecular Forces	1,66	2,5

10	REVIEW	X			SECOND TEST: Topics 4-6 Review all Topics	1,66	2,5
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Subtotal 16,6 25

TOTAL 1 41,6

8	Tutorials, handing in, etc					2	
9	Assesment						
10							
11						2	5

Subtotal 4 5

TOTAL 2 9

TOTAL 50,6