

Teaching commitments, Academic year 2025/2026 (Dr.Mesli Meryem)	Teaching commitments, Academic year 2025/2026 (Dr.Mesli Meryem)
COURSE TITLE : Structure of Matter CODE: IST 1.4 CREDIT: COEFFICIENT: 3 WEEKLY CLASS HOURS : 6h.30 TOTAL SEMESTER DURATION OF THE COURSE IS 13 weeks ACADEMIC PROGRAM : Science and technology engineer COURSE LANGUAGE : english INSTRUCTOR AND TEACHING ASSISTANT: Dr.Mesli Meryem, Dr Sefrou Zeyneb GENERAL OBJECTIVE OF THE COURSE: Course on the structure of matter, exploring the elementary structure, i.e. the fundamental components of matter, addressing the basic principles of chemistry and quantum physics to understand how these elements interact to form the matter we observe. LEARNING OBJECTIVES: The course aims to develop several learning outcomes and skills in students: Understanding fundamental concepts Problem analysis and solving Mastery of scientific theories Experimental understanding DESCRIPTION AND STRUCTURE: Course programme: Chapter I: fundamental concepts Chapter II: main constituents of matter Chapter III: electronic structure of the atom Chapter IV: periodic table Chapter V: chemical bonds Chapter VI: radioactivity MATERIEL DE COURS Principles Of General Chemistry, Third Edition/ Principales Of General Chemistry PREQUESITS General Chemistry, Physics and notions of mathematics	BIBLIOGRAPHICAL RESOURCES: Atomic structure and periodicity Ouahes, Devallez, General Chemistry OPU COURSE ORGANISATION AND OPERATING PRINCIPLES Course: Wednesday 8h30-10h00 Directed work: Monday 10h00-17h00 Practical work: 8h30-13h00 INSTRUCTIONS FOR EXERCISES OR ASSIGNMENTS, INDIVIDUAL OR GROUP Preparation of practical work and tutorial series in advance EVALUATION: A minimum of two tests per semester A report at the end of each practical session A final examination The final mark will be calculated as follows: 60% examination + 20% practical work + 20% tests INFORMATION ON ADDITIONAL SERVICES use of the library CONTACT: Dr. Mesli Meryem, Department of Hydraulics, Faculty of Technology, Mail : mesli.meryem13@gmail.com, meryem.mesli@univ-tlemcen.dz