TOPIC 2	Getting started with MATLAB
SUB-TOPICS	▪ MATLAB user interface, desktop layout ▪ basic arithmetics, statements, variables & expressions ▪ using built-in functions, input and output ▪ variable naming conventions ▪ basic data (array) types: numeric, character & logical ▪ creating and indexing vectors and matrices ▪ the assignment, colon and relational operators ▪ arithmetic operators: matrix and elementwise (array) operators ▪ utility matrices ▪ basic 2D plots (will be covered in detail later) ▪ using the Editor and running a script (optional)
OBJECTIVES	by the end of this unit, students should: - be able to navigate the Desktop with confidence - learn how to work in the Command Window - know how to create vectors and matrices and index individual elements - become used to working with numeric, string and logical data - be able to manipulate arrays using matrix and arithmetic operations - gain familiarity with some important built-in functions - have spent some time exploring more advanced features of MATLAB (e.g. plotting, writing scripts, using FOR loops)
KEY WORDS AND EXPRESSIONS	see vocabulary lists on MOLE
CORE STUDY MATERIALS	- Textbook selection - MATLAB Summary Notes - Part 1 - Basic MATLAB Commands Worksheet - Vocabulary Lists
TEXTBOOK STUDY	Chapter 1: - Section 1.1 is essential, the rest is recommended reading Chapter 2: - Sections 2.1 – 2.6 are essential - Section 2.7 is recommended (will be discussed soon) - Section 2.8 – 2.9 are optional (will be discussed later in the term)
ADDITIONAL RESOURCES	see recommended Youtube Video tutorials