

Computer Programming

Second term 1397-98 (Spring 2019)

Code:	24-14-045-01	Credit: 3
Lecturer:	Hassan Azarkish Assistant Professor, Mechanical Engineering Department Hassan.Azarkish@eng.usb.ac.ir	
Assessments:	Class activity (10%) Class exam (30%) Final exam (60%)	
References:	<ul style="list-style-type: none">• Mastering MATLAB (Duane C. Hanselman, Bruce Littlefield)• مبانی کامپیوتر و الگوریتم ها (عین الله جعفرنژاد قمی)• MATLAB Documentation - MathWorks	

Weeks	Subjects
1 st	Introduction to MATLAB
2 nd	Matrices and Operators
3 rd	Characters and Strings
4 th	Logical Operations
5 th	Input and Output
6 th	Algorithm Development
7 th	Flowcharting
8 th	Decision Making Statements
9 th -10 th	Loops
11 th	M-File Programming
12 th	Debugging and Testing
13 th	Functions
14 th	Graphics
15 th -16 th	Class exam