

## I Year / I Semester (2019 - 2023 Batch)

### 2019- 2020 (Odd Semester)

<b>Course Code:</b>	<b>C101.1-19</b>											<b>Year of Study: 2019-2020</b>		
<b>Subject Code</b>	<b>JHS1121</b>											<b>Semester:01</b>		
<b>Subject Name</b>	<b>COMMUNICATIVE ENGLISH &amp; SOFT SKILLS I</b>													
<b>Course Outcomes</b>													<b>Blooms Level</b>	
<b>C101.1</b>	<b>CO1</b>	Listen to different talks and lectures and understand them easily											K4	
<b>C101.2</b>	<b>CO2</b>	Communicate their thoughts confidently using communicative strategies											K4	
<b>C101.3</b>	<b>CO3</b>	Read and grasp different genres of texts effortlessly											K4	
<b>C101.4</b>	<b>CO4</b>	Write grammatically correct academic, business and technical texts											K4	
<b>C101.5</b>	<b>CO5</b>	Apply the language skills efficiently in all forms of communication											K4	

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>CO1</b>	0	0	0	0	0	0	0	1	2	3	0	2		
<b>CO2</b>	0	0	0	0	0	0	0	1	2	3	0	2		
<b>CO3</b>	0	0	0	0	0	0	0	1	2	3	0	2		
<b>CO4</b>	0	0	0	0	0	0	0	1	2	3	0	2		
<b>CO5</b>	0	0	0	0	0	0	0	1	2	3	0	2	1	1
<b>Average</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.00</b>	<b>2.00</b>	<b>3.00</b>	<b>0.00</b>	<b>2.00</b>	<b>1.00</b>	<b>1.00</b>

<b>Course Code:</b>	<b>C102.1-19</b>	<b>Year of Study: 2019-2020</b>
<b>Subject Code</b>	<b>JMA1101</b>	<b>Semester:01</b>
<b>Subject Name</b>	<b>MATRICES AND CALCULUS</b>	
<b>Course Outcomes</b>		<b>Blooms Level</b>
<b>C102.1</b>	<b>CO1</b>	To understand applications of matrix theory in quadratic forms K4
<b>C102.2</b>	<b>CO2</b>	To use calculus for problems and applications dealing with functions of several variables K4
<b>C102.3</b>	<b>CO3</b>	To apply differential calculus in practical problem solving in the area of geometry K4
<b>C102.4</b>	<b>CO4</b>	To gain insight on the applications of multiple integrals in area and volume problems K4
<b>C102.5</b>	<b>CO5</b>	To solve ordinary differential equations that occur in many physical and engineering applications K4

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
<b>CO1</b>	3	3	2	2	0	0	0	0	2	0	0	2		
<b>CO2</b>	3	3	2	2	0	0	0	0	2	0	0	2		
<b>CO3</b>	3	3	2	2	0	0	0	0	2	0	0	2		
<b>CO4</b>	3	3	2	2	0	0	0	0	2	0	0	2		
<b>CO5</b>	3	3	2	2	0	0	0	0	2	0	0	2		
<b>Average</b>	<b>3.00</b>	<b>3.00</b>	<b>2.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>0.00</b>	<b>0.00</b>

<b>Course Code:</b>	<b>C103.1-19</b>	<b>Year of Study: 2019-2020</b>
<b>Subject Code</b>	<b>JPH1101</b>	<b>Semester:01</b>
<b>Subject Name</b>	<b>ENGINEERING PHYSICS</b>	
<b>Course Outcomes</b>		<b>Blooms Level</b>
<b>C103.1</b>	<b>CO1</b>	To enhance knowledge on properties of matter K4
<b>C103.2</b>	<b>CO2</b>	To assess the properties of ultra sonics and imaging devices K4
<b>C103.3</b>	<b>CO3</b>	To understand and to compute problems in Quantum Physics. K4
<b>C103.4</b>	<b>CO4</b>	To learn the use of modern optical fiber communication systems and tools in real life applications. K4
<b>C103.5</b>	<b>CO5</b>	To gain more insight on the functioning of optical materials for optoelectronics. K4

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	1	1	0	0	1	0	0	1	0	1	0		
CO2	2	1	1	0	0	1	0	0	1	0	1	0		
CO3	2	1	1	0	0	1	0	0	1	0	1	0		
CO4	2	1	1	0	0	1	0	0	1	0	1	0		
CO5	2	1	1	0	0	1	0	0	1	0	1	0		
Average	2.00	1.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00

<b>Course Code:</b>	<b>C104.1-19</b>	<b>Year of Study:</b> <b>2019-2020</b>
<b>Subject Code</b>	<b>JCY1101</b>	<b>Semester:01</b>
<b>Subject Name</b>	<b>ENGINEERING CHEMISTRY</b>	
Course Outcomes		Blooms Level
<b>C104.1</b>	<b>CO1</b>	Understand laws of photochemistry and principles of instrumentation and their applications in various fields. K4
<b>C104.2</b>	<b>CO2</b>	To understand the basic principle of water treatment and techniques involved in the purification process for future learning. K4
<b>C104.3</b>	<b>CO3</b>	Apply electrochemical reactions on the process of corrosion and its prevention methods. K4
<b>C104.4</b>	<b>CO4</b>	Gain knowledge on biodegradable polymers and understand the principle of batteries for development of new energy resources. K4
<b>C104.5</b>	<b>CO5</b>	Gain knowledge on engineering materials and understand the unique behavior of nanomaterials. K4

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1	1	1	1	1	1	-	-	-	1	1		
CO2	1	1	1	1	1	1	1	-	1	1	1	-		
CO3	1	1	1	1	1	1	1	-	1	1	1	-		
CO4	1	1	1	1	1	1	1	1	1	1	1	1		
CO5	1	1	1	1	1	1	1	-	1	1	1	1		
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00

<b>Course Code:</b>	<b>C105.1-19</b>	<b>Year of Study:</b> <b>2019-2020</b>
<b>Subject Code</b>	<b>JGE1101</b>	<b>Semester:01</b>
<b>Subject Name</b>	<b>ENGINEERING BASICS</b>	
<b>Course Outcomes</b>		<b>Blooms Level</b>
<b>C105.1</b>	<b>CO1</b>	Gain knowledge on the various fields of Civil Engineering. K4
<b>C105.2</b>	<b>CO2</b>	Know the fundamentals of Mechanical Engineering. K4
<b>C105.3</b>	<b>CO3</b>	Understand the basic concepts of electric circuits and working principles of electrical machines. K4
<b>C105.4</b>	<b>CO4</b>	Gain knowledge on the basics of electronics and apply them in practical situations. K4
<b>C105.5</b>	<b>CO5</b>	Choose appropriate instruments for electrical measurement for a specific application. K4

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1	1	1	1	0	0	0	0	0	0	0		
CO2	1	1	1	1	1	0	0	0	0	0	0	0		
CO3	1	1	1	1	1	0	0	0	0	0	0	0		
CO4	1	1	1	1	1	0	0	0	0	0	0	0		
CO5	1	1	1	1	1	0	0	0	0	0	0	0		
Average	1	1	1	1	1	0	-	0	0	0	0	0	0	0.00

<b>Course Code:</b>	<b>C106.1-19</b>	<b>Year of Study:</b> <b>2019-2020</b>
<b>Subject Code</b>	<b>JGE1102</b>	<b>Semester:01</b>
<b>Subject Name</b>	<b>PROGRAMMING IN C</b>	
<b>Course Outcomes</b>		<b>Blooms Level</b>
<b>C106.1</b>	<b>CO1</b>	Design and represent solutions to problems as algorithm and flow chart K4
<b>C106.2</b>	<b>CO2</b>	Write simple C Programs using loops and conditional statements K4
<b>C106.3</b>	<b>CO3</b>	Write simple C Programs using arrays K4
<b>C106.4</b>	<b>CO4</b>	Write simple C Programs using functions K4
<b>C106.5</b>	<b>CO5</b>	Write simple C codes using pointers, structures and union K4

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	0	0	0	0	3	3	3	0	3		
CO2	3	3	3	0	0	0	0	3	3	3	0	3		
CO3	3	3	3	0	0	0	0	3	3	3	0	3		
CO4	3	3	3	0	0	0	0	3	3	3	0	3		
CO5	3	3	3	0	0	0	0	3	3	3	0	3		
Average	3.00	3.00	3.00	0.00	0.00	0.00	0.00	3.00	3.00	3.00	0.00	3.00	0.00	0.00

<b>Course Code:</b>	<b>C107.1-19</b>												<b>Year of Study: 2019-2020</b>	
<b>Subject Code</b>	<b>JPC1111</b>												<b>Semester:01</b>	
<b>Subject Name</b>	<b>Physics and Chemistry Laboratory</b>													
Course Outcomes													Blooms Level	
<b>C107.1</b>	<b>CO1</b>	Acquire experience in analyzing the elastic materials.											K4	
<b>C107.2</b>	<b>CO2</b>	Understand the acoustic properties of various liquids.											K4	
<b>C107.3</b>	<b>CO3</b>	Acquire knowledge in optical properties of solids.											K4	
<b>C107.4</b>	<b>CO4</b>	Make the student acquire practical skills in the determination of water quality parameters through volumetric and instrumental analysis.											K4	
<b>C107.5</b>	<b>CO5</b>	Acquaint the students with the determination of molecular weight of a polymer by viscometry											K4	

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	1	1	0	1	1	0	0	1	0	1	1		
CO2	2	1	1	0	1	1	0	0	1	0	1	1		
CO3	2	1	1	0	1	1	0	0	1	0	1	1		
CO4	2	1	1	0	1	1	0	0	1	0	1	1		
CO5	2	1	1	0	1	1	0	0	1	0	1	1		
Average	2.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00

<b>Course Code:</b>	<b>C108.1-19</b>												<b>Year of Study: 2019-2020</b>	
<b>Subject Code</b>	<b>JGE1112</b>												<b>Semester:01</b>	
<b>Subject Name</b>	<b>Programming in C Laboratory</b>													
<b>Course Outcomes</b>													<b>Blooms Level</b>	
<b>C108.1</b>	<b>CO1</b>	Write simple C Programs											K4	
<b>C108.2</b>	<b>CO2</b>	Able to solve scientific problems using C											K4	
<b>C108.3</b>	<b>CO3</b>	Gain knowledge on the use of functions and arrays											K4	
<b>C108.4</b>	<b>CO4</b>	Use structures, pointers and files in C Programs											K4	
<b>C108.5</b>	<b>CO5</b>	Develop modularized applications in C											K4	

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	0	0	0	2	2	2	0	2		
CO2	3	3	3	3	0	0	0	3	3	3	0	3		
CO3	3	3	3	3	0	0	0	3	3	3	0	3		
CO4	3	3	3	3	0	0	0	3	3	3	0	3		
CO5	3	3	3	3	0	0	0	3	3	3	0	3		
Average	2.80	2.80	2.80	2.80	0.00	0.00	0.00	2.80	2.80	2.80	0.00	2.80	0.00	0.00

<b>Course Code:</b>	<b>C109.1-19</b>												<b>Year of Study: 2019-2020</b>	
<b>Subject Code</b>	<b>JGE1111</b>												<b>Semester:01</b>	
<b>Subject Name</b>	<b>DESIGN APPRECIATION LABORATORY</b>													
<b>Course Outcomes</b>													<b>Blooms Level</b>	
<b>C109.1</b>	<b>CO1</b>	Fabricate carpentry components and pipe connections including plumbing works.											K4	
<b>C109.2</b>	<b>CO2</b>	Illustrate on centrifugal pump, Air conditioner, operations of smithy, foundry and fittings.											K4	
<b>C109.3</b>	<b>CO3</b>	Carry out basic home electrical works and appliances.											K4	
<b>C109.4</b>	<b>CO4</b>	Measure the electrical quantities.											K4	
<b>C109.5</b>	<b>CO5</b>	Elaborate on the components, gates, soldering practices.											K4	

Course Outcomes	Program Outcomes												PSOs	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1	1	1	1	1	1	1	0	0	0	1	1		
CO2	1	1	1	1	1	1	1	0	1	1	1	0		
CO3	1	1	1	1	1	1	1	0	1	1	1	0		
CO4	1	1	1	1	1	1	1	1	1	1	1	1		
CO5	1	1	1	1	1	1	1	0	1	1	1	1		
Average	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00