

Syllabus 3rd Year 2023-2024

Test Date:	2/13/2024	Instrumentation Introduction	Level	I	Test Grade:
Syllabus Number	Title	Book Name	Lesson/Lab #	Date	Due Date
38	Math Pre-Test Assesment, Math	Test Instruments and Applications (S571), Applied Science of Instrumentation (S600)	Lesson 1, 2	1/23/2024	1/28/2024
39	Science Pre-Test Assesment, Science	Test Instruments and Applications (S571), Applied Science of Instrumentation (S600)	Lesson 3, 4	1/25/2024	1/28/2024
40	Electrical Theory Pre-Test Assesment, Electrical Theory	Test Instruments and Applications (S571), Applied Science of Instrumentation (S600)	Lesson 5, 6	1/30/2024	2/4/2024
41	Meters and Measurements Pre-Test Assesment, Meters and Measurements	Test Instruments and Applications (S571), Applied Science of Instrumentation (S600)	Lesson 7, 8	2/1/2024	2/4/2024
42	Instrumentation Vocabulary Pre-Test Assesment, Instrumentation Vocabulary	Test Instruments and Applications (S571), Applied Science of Instrumentation (S600)	Lesson 9, 10	2/6/2024	2/11/2024
43	Process and Instrumentation Diagram Interpretation Pre-Test Assesment, Process and Insurmentation Diagram Interpretation	Test Instruments and Applications (S571), Applied Science of Instrumentation (S600)	Lesson 11, 12	2/8/2024	2/11/2024
Test Date:	3/21/2024	Instrumentation Introduction	Level	II	Test Grade:
Syllabus Number	Title	Book Name	Lesson/Lab #	Date	Due Date
44	Review	Applied Science of Instrumentation (S600)	Lesson 1	2/13/2024	2/18/2024
45	Introduction to Instrumentation	Applied Science of Instrumentation (S600)	Lesson 2	2/15/2024	2/18/2024
46	Fundamentals of Process and Control Systems	Applied Science of Instrumentation (S600)	Lesson 3	2/20/2024	2/25/2024
47	Instrumentation Symbols and Diagrams	Applied Science of Instrumentation (S600)	Lesson 4	2/22/2024	2/25/2024
48	Calibration Procedure and Documentation	Applied Science of Instrumentation (S600)	Lesson 5	2/27/2024	3/3/2024
49	Principles of Pressure	Applied Science of Instrumentation (S600)	Lesson 6	2/29/2024	3/3/2024
50	Principles of Level	Applied Science of Instrumentation (S600)	Lesson 7	3/5/2024	3/10/2024
51	Principles of Flow	Applied Science of Instrumentation (S600)	Lesson 8	3/7/2024	3/10/2024
52	Principles of Temperature	Applied Science of Instrumentation (S600)	Lesson 9	3/12/2024	3/17/2024
53	Communication	Applied Science of Instrumentation (S600)	Lesson 10	3/14/2024	3/17/2024
54	Control Valves, Actuators, and Accessories	Applied Science of Instrumentation (S600)	Lesson 11	3/19/2024	3/21/2024
Test Date:	4/9/2024	Instrumentation Introduction	Level	III	Test Grade:
Syllabus Number	Title	Book Name	Lesson/Lab #	Date	Due Date
55	Review	Applied Science of Instrumentation (S600)	Lesson 1	3/21/2024	3/24/2024
56	Analytical Measurement	Applied Science of Instrumentation (S600)	Lesson 2	3/26/2024	3/31/2024
57	Process Controllers	Applied Science of Instrumentation (S600)	Lesson 3	3/28/2024	3/31/2024
58	Fundamentals of Control	Applied Science of Instrumentation (S600)	Lesson 4	4/2/2024	4/7/2024
59	Installation of Control Systems	Applied Science of Instrumentation (S600)	Lesson 5	4/4/2024	4/7/2024
Test Date:	4/23/2024	Motors	Level	I	Grade:
Syllabus Number	Title	Book Name	Lesson/Lab #	Date	Due Date
60	Magnetism and Induction	Motors (S649)	Lesson 1	4/9/2024	4/14/2024
61	Motor Nameplates, AC Alternators	Motors (S649)	Lesson 2,3	4/11/2024	4/14/2024
62	Three-Phase Motors	Motors (S649)	Lesson 4	4/16/2024	4/21/2024
63	Squirrel-Cage Motors	Motors (S649)	Lesson 5	4/18/2024	4/21/2024
Test Date:	5/9/2024	Motors	Level	II	Grade:
Syllabus Number	Title	Book Name	Lesson/Lab #	Date	Due Date
64	Wound-Rotor Motors	Motors (S649)	Lesson 1	4/23/2024	4/28/2024
65	Single-Phase Motors, Motor Protection	Motors (S649)	Lesson 2, 3	4/25/2024	4/28/2024
66	DC Motors and Generators, Starting	Motors (S649)	Lesson 4, 5	4/30/2024	5/5/2024
67	Motor Branch Circuits, Protection	Motors (S649)	Lesson 6, 7	5/2/2024	5/5/2024
Test Date:	5/28/2024	Test Instruments	Level	I	Grade:
Syllabus Number	Title	Book Name	Lesson/Lab #	Date	Due Date
69	Voice-Data-Video (VDV) Test Instruments	Test Instruments and Applications (S571)	Lesson 1	5/9/2024	5/12/2024
70	Power Quality Test Instruments	Test Instruments and Applications (S571)	Lesson 2	5/14/2024	5/19/2024
71	Test Instruments	Test Instruments and Applications (S571)	Lesson 3	5/16/2024	5/19/2024
72	Instruments	Test Instruments and Applications (S571)	Lesson 4	5/21/2024	5/26/2024
73	Troubleshooting	Test Instruments and Applications (S571)	Lesson 5, 6	5/23/2024	5/26/2024