

Name of the Department : Instrumentation

Odd Semester	Type of the Course	Name of Course	UPC	Credits	Link of DU site having the course syllabus	Page Number of syllabus	Even Semester	Type of the Course	Name of Course	UPC	Credits	Link of DU site having the course syllabus	Page Number of syllabus
Semester 1	DSC-1	Analog Electronics Theory	2512041101	3+1	https://www.du.ac.in/uploads/new-web/15092023_Indis sem1.pdf	51-53	Semester 2	DSC-4	Fundamental of Digital Circuits	2512041201	3+1	https://www.du.ac.in/uploads/new-web/notifications-2021/28032023_nep-Faculty%20of%20Interdisciplinary%20&%20Ap	28-30
	DSC-2	Basic Circuit Theory	2512041102	3+1		53-54		DSC-5	Sensor and Actuators	2512041202	2+2		30-32
	DSC-3	Testing and Measurement Theory	2512041103	2+2		55-56		DSC-6	Electronic Instrumentation	2512041203	3+1		33-35
	SEC-1	Documents preparation and presentation software	2346000012		https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	87-93		SEC-2	Introduction to cloud computing (AWS)	2346000010	0+2	https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	107-108
	GE-1	Fundamental of Instrumentation		3+1	https://www.du.ac.in/uploads/new-web/15092023_Indis sem1.pdf	57-59		GE-2	Sensors and its Application		3+1		43-45
	VAC-1	Yoga: Philosophy and Practice	6967000021	1	https://www.du.ac.in/uploads/new-web/26102022_VAC.pdf	80-81		VAC-2	Ethics and Culture	6967000006	1+1		
	AEC-1							AEC-2					
Semester 3	DSC-7	Analytical Instrumentation-I	2512042301	2+2		119-120	Semester 4	DSC-10	Biomedical Instrumentation	2512042401	3+1	https://www.du.ac.in/uploads/new-web/18092023_Inter 4.pdf	180-182
	DSC-8	Operational Amplifiers and Applications	2512042302	3+1	https://www.du.ac.in/uploads/new-web/15092023_Indis sem3.pdf	121-123		DSC-11	Machine Learning	2512042402	2+2		183-185
	DSC-9	Mathematical techniques for Instrumentation	2512042303	3+1		123-124		DSC-12	Optical Instrumentation	2512042403	3+1		186-188
	SEC-3	E-Tourism	6136000001		https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	239-240		SEC-4	Social Media Marketing	2416000005	0+2	https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	71-72
	GE-3	Virtual Instrumentation		2	https://www.du.ac.in/uploads/new-web/15092023_Indis sem3.pdf	131-133		GE-4	Nuclear and Biomedical Instrumentation		3+1		201-203
	DSE-1	Programming Using MATLAB		2		129-131		DSE-2	Virtual Instrumentation		2+2	https://www.du.ac.in/uploads/new-web/18092023_Inter 4.pdf	195-197
	VAC-3	Constitutional Values and undamental Duties		1	https://www.du.ac.in/uploads/new-web/26102022_VAC.pdf	71-73		DSE-2	Linear Integrated Circuits		3+1		
	AEC-3							VAC-4	Culture and Communication	6967000003	1+1	https://www.du.ac.in/uploads/new-web/26102022_VAC.pdf	8-10
								AEC-4					
Semester 5	DSC-13	Advanced biomedical Instrumentation	2512043501	2+2	https://www.du.ac.in/uploads/new-web/18092023_Inter 4.pdf	204-206	Semester 6	DSC-16	Analytical Instrumentation-II		3+1	https://www.du.ac.in/uploads/new-web/18092023_Inter 4.pdf	226-228
	DSC-14	Essentials of Microprocessors 8085 & 8086	2512043502	3+1		207-209		DSC-17	Analog devices and circuits		3+1		229-231
	DSC-15	Power devices and Electrical machines	2512043503	3+1		210-211		DSC-18	Control System		3+1		232-234

	SEC-5	Digital Marketing	2926000002		https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	69-70							https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	241-242
	GE-5	Instruments for chemical analysis			https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	223-225			SEC-6	Design Thinking		0+2	https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	241-242
	DSE-3a	Communication Systems	2513040011	3+1	ploads/new-web/18092023_Inter_4.pdf	215-217			GE-6	Wireless Networks		3+1	https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	247-249
	DSE-3b				ploads/new-web/18092023_Inter_4.pdf			Semester 8	DSE 10	Research Methodology		3+1	https://www.du.ac.in/uploads/new-web/28032023_SEC.pdf	241-243
Semester 7	DSC-19	Embedded systems and Robotics		2+2		57-59								
	DSE -7	CMOS Digital Integrated Circuit Design		3+1	https://www.du.ac.in/uploads/new-web/27052025_Merge_notification_idas.pdf	65-66								
	DSE-8	Measurement Technology		3+1										
	DSE-9	Materials Science for Sensor Development				74-76			GE 8 (if Minor)					
	GE-7a	Instrumentation and Control		3+1		94-96								
	GE-7b													
		Research/Project/Internship 1								Research/Project/Internship 2				