

## DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM OUTLINE

MOD ULES	MODULES NAME	COURSES NAME	COURSE TITLE	LECT CLOCK HOURS	LAB CLOCK HOURS	PRACT CLOCK HOURS	TOTAL CLOCK HOURS	TOTAL CREDITS HOURS
<b>1</b>	<b>GENERAL EDUCATION PRE-REQUISITE COURSES</b>	Medical Terminology and Career Development	DMS-1.1	12.0	0.0	0.0	12.0	0.5
		Medical Ethics, Medical Law, and Communications Skills	DMS-1.2	8.0	0.0	0.0	8.0	0.5
		General Anatomy, Physiology and Pathophysiology	DMS-1.3	20.0	0.0	0.0	20.0	1.0
		Basic Algebra, Mathematics and Physics	DMS-1.4	20.0	0.0	0.0	20.0	1.0
		Scanning Techniques and Basic Patient Care	DMS-1.5	16.0	4.0	0.0	20.0	1.0
<b>2</b>	<b>ABDOMINAL ULTRASOUND</b>	Ultrasound Physics-I	DMS-2.1	30.0	0.0	0.0	30.0	2.0
		Ultrasound Physics-II	DMS-2.2	30.0	0.0	0.0	30.0	2.0
		Ultrasound Physics-III	DMS-2.3	30.0	0.0	0.0	30.0	2.0
		Abdominal Vasculature Peritoneal Cavity	DMS-2.4	32.0	32.0	0.0	64.0	3.0
		Liver	DMS-2.5	32.0	32.0	0.0	64.0	3.0
		Gallbladder and Biliary Tree	DMS-2.6	46.0	16.0	0.0	62.0	3.5
		Pancreas and Spleen	DMS-2.7	32.0	32.0	0.0	64.0	3.0
		Urinary Tract	DMS-2.8	32.0	32.0	0.0	64.0	3.0
Genital and Superficial Structure	DMS-2.9	46.0	16.0	0.0	62.0	3.5		
<b>3</b>	<b>OBSTETRICAL AND GYNECOLOGICAL ULTRASOUND</b>	Ultrasound Physics-IV	DMS-3.1	30.0	0.0	0.0	30.0	2.0
		Gynecology	DMS-3.2	30.0	32.0	0.0	62.0	3.0
		Obstetrics	DMS-3.3	20.0	8.0	0.0	28.0	1.5
<b>4</b>	<b>NEONATAL ULTRASOUND</b>	Neonatal	DMS-4.1	20.0	8.0	0.0	28.0	1.5
<b>5</b>	<b>VASCULAR TECHNOLOGY</b>	Ultrasound Physics-V	DMS-5.1	30.0	0.0	0.0	30.0	2.0
		Cerebrovascular System	DMS-5.2	32.0	0.0	0.0	32.0	2.0
		Upper extremities; Arterial and Venous	DMS-5.3	48.0	16.0	0.0	64.0	3.5
		Lower extremities; Arterial and Venous	DMS-5.4	48.0	16.0	0.0	64.0	3.5
<b>6</b>	<b>CARDIAC ULTRASOUND</b>	Cardiac Fundamentals, Principles of Cardiac Pharmacology	DMS-6.1	20.0	8.0	0.0	28.0	1.5
		Pathological Mechanism and Non-Invasive Diagnostic Tests	DMS-6.2	20.0	8.0	0.0	28.0	1.5
		Hemodynamics and Practical Application of Echocardiography	DMS-6.3	48.0	24.0	0.0	72.0	4.0
		Disease State Identification	DMS-6.4	48.0	16.0	0.0	64.0	3.5
<b>7</b>	<b>CLINICAL</b>	Externships	DMS-7.1	0.00	0.00	900	900	20.0
<b>TOTAL</b>				<b>780</b>	<b>300</b>	<b>900</b>	<b>1980</b>	<b>78.5</b>