



Swami Rama Himalayan University

NAAC A+

**Swami Rama Himalayan University**  
**Himalayan Institute of Medical Sciences**  
**Teaching & Evaluation Scheme**  
**MD Biochemistry**  
**Academic Year-2024-25**

Program	Program Code	Course Category	Subject Name	Teaching-training	Internal Assessment		University Examination		Course Attributes					Sustainable Development Goals	
					T	P/V	T	P/V	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	
MD Biochemistry	1101508	PG	Biomolecules, Principles of Biophysics and its biomedical importance, Cell biology, Fluid, electrolyte and acid-base balance, Analytical techniques, and instrumentation, Biostatistics and research methodology, Basics of medical education in teaching and assessment of Biochemistry.	42 hours weekly for 3 years	100	400	100	400	√	√	√	√	√	√	3,4,13
			Enzymes, Bioenergetics, Biological oxidation, Intermediary metabolism and inborn errors of metabolism, Nutrition, Vitamins and Minerals, Detoxification and metabolism of xenobiotics, Free radicals, and anti-oxidant defense systems.		100		100		√	√	√	√	√	√	2, 3, 4, 5, 13
			Molecular biology, Molecular and genetic aspects of cancer, Immunology, and Environmental Biochemistry.		100	400	100	400	√		√	√	√	√	3, 5, 9, 12
			Basic principles and practice of clinical biochemistry, Biochemical analytes, Assessment of organ system functions, and Recent advances in biochemistry.		100		100		√		√		√	√	3,4,9,13