

## PhD Health Sciences Program (Physiology) Road Map Aligned with HEC GEP Policy

### SEMESTER 1

Sr. No	Pre- requisite Course Code	Course Code	Course Title	Credit Hours
1	Level 7 MED Courses	MED 801	Laboratory Research Techniques	3(2+1)
2		MED 802	Biostatistics and Epidemiology	3+0
3		XXXXXXX	Elective-I	3+0
4		MED 804	Journal Club -I	No credit hour
5		MED 806	Teaching Internship-I	No credit hour
Total Credit Hours				9

### SEMESTER 2

Sr. No.	Pre- requisite Course Code	Course Code	Course Title	Credit Hours
1	Semester-I	XXXXXXX	Elective-II	3+0
2		XXXXXXX	Elective-III	3+0
3		XXXXXXX	Elective-IV	3+0
4	MED 804	MED 805	Journal Club –II	No credit hour
5	MED 806	MED 807	Teaching Internship- II	No credit hour
Total Credit Hours				9

### SEMESTER 3

Sr. No.	Pre-requisite Course Code	Course Code	Course Title	Credit Hours
1.	Comprehensive Exam Pass	THS 899	PhD Dissertation	9
Total Credit Hours				9

**SEMESTER 4**

Sr. No.	Pre-requisite Course Code	Course Code	Course Title	Credit Hours
1.	Comprehensive Exam Pass	THS 899	PhD Dissertation	9
Total Credit Hours				9

**SEMESTER 5**

Sr. No.	Pre-requisite Course Code	Course Code	Course Title	Credit Hours
1.	Comprehensive Exam Pass	THS 899	PhD Dissertation	9
Total Credit Hours				9

**SEMESTER 6**

Sr. No.	Pre-requisite Course Code	Course Code	Course Title	Credit Hours
1.	Comprehensive Exam Pass	THS 899	PhD Dissertation	9
Total Credit Hours				9

**List of Electives Courses**

Sr. No.	Pre-requisite Course Code	Course Code	Course Title	Credit Hours
1	MED Courses MED 801, 802	PHY 861	Cellular & Molecular Basis of Physiology	3
2		PHY 862	Hormonal Physiology	3
3		PHY 863	Laboratory techniques in Physiology	3
4		PHY 864	Physiology of Behaviour & Neurosciences	3
5		PHY 865	Exercise Physiology and Movement Disorders	3
6		PHY 866	Principles of Hematology and immunemechanisms	3
7		PHY 867	Cardio-Vascular Physiology and Hemodynamics	3
8		PHY 868	Pulmonary and Renal Physiology	3
Total Credit Hours				24

**List of Interdisciplinary Courses**

Sr. No.	Pre- requisite Course Code	Course Code	Course Title	Credit Hours
1		PHY 760	General ,Neuromuscular and Blood Physiology	3
2		PHY 761	Cardiorespiratory Physiology	3
3		PHY 762	Physiology of Health, Fitness & Exercise	3
4		PHY 763	Haeme & Immune system	3
5		PHY 764	Gastrointestinal Physiology	3
6		PHY 765	Neurophysiology and special Senses	3
7		PHY 766	Renal Physiology	3
8		PHY 767	Endocrine and Reproductive Physiology	3
9		PHY 768	Electrophysiology	3
Total Credit Hours				<b>27</b>