



FACULTY OF HEALTH & MEDICAL SCIENCES

CURRICULUM

BS DIALYSIS & CRITICAL CARE SCIENCES

MAY 2012

AZADJAMMU & KASHMIRUNIVERSITY

MUZAFFARABAD

Associate Dean
Dr. Bashir ur Rehman

DIALYSIS & CRITICAL CARE SCIENCES

1st Semester

Code	Course Title	Credit Hour
BMT-3101	Anatomy- I	3 (2 + 1)
BMT-3102	Physiology – I	3 (2 + 1)
BMT-3103	Biochemistry – I	3 (2 + 1)
BMT-3104	Microbiology – I	3 (2 + 1)
BMT-3105	Pakistan Studies	3 (3 + 0)
BMT-3106	Introduction to Computer & IT	3 (3 + 0)
Total Credit Hours		18

2nd Semester

Code	Course Title	Credit Hour
BMT-3201	Pathology	3 (3 + 0)
BMT-3202	Anatomy- II	3 (2 + 1)
BMT-3203	Physiology – II	3 (2 + 1)
BMT-3204	Biochemistry – II	3 (2 + 1)
BMT-3205	Microbiology – II	3 (2 + 1)
BMT-3206	Islamic Studies	3 (3 + 0)
Total Credit Hours		18

3rd Semester

Code	Course Title	Credit Hour
BMT-4301	Pathology – II	3 (2 + 1)
BMT-4302	Pharmacology – I	3 (2 + 1)
BMT-4303	Emergency Medicine	3 (3 + 0)
BMT-4304	Critical Care – I	3 (2 + 1)
BMT-4305	Arabic	3 (3 + 0)
Total Credit Hours		15

4th Semester

Code	Course Title	Credit Hour
BMT-4401	Pharmacology – II	3 (2 + 1)
BMT-4402	Critical Care – II	3 (2 + 1)
BMT-4403	Emergency Care-II	3 (3 + 0)
BMT-4404	Applied Physics and Engineering Sciences	3 (2 + 1)
BMT-4405	Epidemiology and Biostatistics	2 (2 + 0)
BMT-4406	English Communication Skill	2 (2 + 0)
Total Credit Hours		16

BS DIALYSIS TECHNOLOGY

5thSemester

Code	Course Title	Credit Hour
BMT-5571	Anatomy & Physiology of Kidney	3 (2 + 1)
BMT-5572	Diseases of Kidney & Kidney failure	3 (2 + 1)
BMT-5573	Organization and General Principles of ICU	3 (2 + 1)
BMT-5574	Principles of Dialysis	3 (2 + 1)
BMT-5575	Clinical Nutrition and Diet Therapy	3 (2 + 1)
Total Credit Hours		15

6thSemester

Code	Course Title	Credit Hour
BMT-5671	Vascular Access and Hemodialysis Procedure	3 (2 + 1)
BMT-5672	Body Fluids and Transfusion of Blood Products	3 (2 + 1)
BMT-5673	Renal Pharmacology	3 (2 + 1)
BMT-5674	Fundamental of Infectious Diseases	3 (2 + 1)
BMT-5675	Monitoring in ICU and Aneasthesia	3 (2 + 1)
Total Credit Hours		15

7thSemester

Code	Course Title	Credit Hour
BMT-6771	Peritoneal Dialysis & Dialysis Adequacy	3 (2 + 1)
BMT-6772	Acute and Chronic Complications during Dialysis	3 (2 + 1)
BMT-6773	Respiratory Medicine, Oxygen Therapy and Airway Management	3 (2 + 1)
BMT-6774	Blood Products transfusion in Dialysis Patient	3 (2 + 1)
BMT-6775	Introduction to Biomedical Ethics	3 (3+ 0)
Total Credit Hours		15

8thSemester

Code	Course Title	Credit Hour
BMT-6871	Specialized Dialysis	3 (2 + 1)
BMT-6872	Dialysis in Children and elderly	3 (2 + 1)
BMT-6873	Research Project (Thesis)	3 (0 + 3)
BMT-6874	Clinical Practicum	3 (0 + 3)
BMT-6875	Research Methodology	4 (3 + 1)
Total Credit Hours		16