



Department of Biochemistry Bachelor of Biochemistry

List of Courses

Semester 1

Code	Course Title	Credits
Biochem 101	Bio-physical Chemistry-I	2
Biochem 102	Bio-physical Chemistry-I Lab	1
Biochem 103	Bio-organic Chemistry-I	2
Biochem 104	Bio-organic Chemistry-I Lab	1
Biochem 105	Basic Biology	3
Biochem 106	Basic English	3
Total Credits		12

Semester 2

Code	Course Title	Credits
Biochem 107	Introduction to Biochemistry -I	3
Biochem 108	Bio-physical Chemistry-II	2
Biochem 109	Bio-physical Chemistry -II Lab	1
Biochem 110	Bio-organic Chemistry -II	2
Biochem 111	Bio-organic Chemistry -II Lab	1
Biochem 112	Introduction to Composition	3
Total Credits		12

Semester 3

Code	Course Title	Credits
Biochem 113	Introduction to Biochemistry -II	3
Biochem 114	Human Physiology	3
Biochem 115	Human Physiology Lab	1
Biochem 116	Fundamentals of Computer	3
Biochem 117	World Civilization & Bangladesh Studies	3
Biochem 118	Viva-Voce	1
Total Credits		14

Semester 4

Code	Course Title	Credits
Biochem 201	Enzymes and Bioenergetics-I	3
Biochem 202	Enzymes and Bioenergetics-I Lab	1
Biochem 203	Microbiology	3
Biochem 204	Microbiology Lab	1
Biochem 205	Endocrinology	3
Biochem 206	Biostatistics-I	3
Total Credits		14

Semester 5

Code	Course Title	Credits
Biochem 207	Metabolism-I	3
Biochem 208	Metabolism-I Lab	1
Biochem 209	Bioenergetics and Enzymes-II	3
Biochem 210	Bioenergetics and Enzymes-II Lab	1
Biochem 211	Biostatistics-II	3
Total Credits		11

Semester 6

Code	Course Title	Credits
Biochem 212	Metabolism-II	3
Biochem 213	Biochemical Techniques	3
Biochem 214	Biochemical Techniques Lab	1
Biochem 215	Reaction Mechanism & Synthetic Chemistry	3
Biochem 216	Neuro- Biochemistry	3
Biochem 217	Viva-Voce	1
Total Credits		14

Semester 7

Code	Course Title	Credits
Biochem 301	Metabolism-III	3
Biochem 302	Metabolism-III Lab	1
Biochem 303	Chemistry of Natural Products	2
Biochem 304	Basic Immunology	3
Biochem 305	Basic Immunology Lab	1
Total Credits		10

Semester 8

Code	Course Title	Credits
Biochem 306	Molecular Biology-I	3
Biochem 307	Molecular Biology-I Lab	1
Biochem 308	Plant Biochemistry	2
Biochem 309	Human Nutrition-I	3
Total Credits		09

Semester 9

Code	Course Title	Credits
Biochem 310	Molecular Biology-II	3
Biochem 311	Molecular Genetics	3
Biochem 312	Human Nutrition-II	3
Biochem 313	Virology	3
Biochem 314	Genetic Engineering	3
Biochem 315	Viva-Voce	1
Total Credits		16

Semester 10

Code	Course Title	Credits
Biochem 401	Cellular Biochemistry-I	3
Biochem 402	Immunology-I	3
Biochem 403	Oncology	3
Biochem 404	Plant Biotechnology	3
Total Credits		12

Semester 11

Code	Course Title	Credits
Biochem 405	Cellular Biochemistry-II	3
Biochem 406	Immunology-II	3
Biochem 407	Clinical Biochemistry	3
Biochem 408	Clinical Biochemistry Lab	1
Biochem 409	Pharmaceutical Chemistry-I	2
Total Credits		12

Semester 12

Code	Course Title	Credits
Biochem 410	Pharmaceutical Chemistry-II	2
Biochem 411	Industrial Biotechnology	3
Biochem 412	Research Project/Training	6
Biochem 413	Viva-Voce	1
Total Credits		12

Total Semester : 12 | Total Credits : 148

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