# DEPARTMENT OF BIOCHEMISTRY JINNAH UNIVERSITY FOR WOMEN

## PH.D PROGRAM IN BIOCHEMISTRY

#### **SEMESTER I**

1.	BIO- 801 Recent Trends in Immunology	Credit hour: 3+0
2.	BIO- 802 Advanced Genomics and Proteomics	Credit hour: 3+0
3.	BIO- 803 Application of Nanomaterials in Bioscience	Credit hour: 3+0
4.	BIO- 804 Drug Designing and Metabolism	Credit hour: 3+0

### **SEMESTER II**

1.	BIO- 805	Advanced Bioinformatics	Credit hour: 3+0
2.	BIO- 806	Advanced Biostatistics	Credit hour: 3+0
3.	BIO- 807	Stem Cells and Therapeutics	Credit hour: 3+0
4.	BIO- 808	Research Proposal writing for funding agencies	Credit hour: 3+0

#### **Elective Courses:**

- 1. Human Genetics
- 2. Molecular Virology
- 3. Forensic Serology and DNA Analysis
- 4. DNA Techniques and Clinical Application