**Biochemistry and molecular diagnostics course plan**

Sunday 8:00-10:00 AM

Dr.Nazanin Jalilian

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| Session | Subject | Date |
| Session 1 | DNA, chromatin and chromosome structure, Genes & genomes | 1400.12.07 |
| Session 2 | DNA, chromatin and chromosome structure, Genes & genomes | 1400.12.15 |
| Session 3 | Genome organization | 1400.12.22 |
| Session 4 | Genome organization | 1401.01.14 |
| Session 5 | DNA replication | 1401.01.21 |
| Session 6 | RNA transcription | 1401.01.28 |
| Session 7 | Translation and post translational modifications | 1401.02.04 |
| Session 8 | Chromatin remodeling | 1401.02.11 |
| Session 9 | DNA damage & repair | 1401.02.18 |
| Session 10 | An introduction to phages, viruses and animal cell culture | 1401.02.25 |
| Session 11 | Nucleic Acid techniques | 1401.03.01 |
| Session 12 | Nucleic Acid techniques | 1401.03.08 |
| Session 13 | Gene cloning | 1401.03.22 |
| Session 14 | Molecular diagnostics (genetic testing of human disease, molecular diagnosis of infectious disease) | 1401.03.29 |
| Session 15 | Molecular diagnostics (genetic testing of human disease, molecular diagnosis of infectious disease) | 1401.04.05 |
| Session 16 | Stem cells | 1401.04.12 |
| Session 17 | Student’s seminars | 1401.04.26 |