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| **Molecular Mechanism of Diseases Course, Spring, MSc. Students** |
| **Date** | **Topics** | **Lecturer** |
| 7/12/1400 | Biology and pathobiology of cancer | Dr. Asadi |
| 14/12/1400 | Molecular mechanism of apoptosis and angiogenesis | Dr. Asadi & Dr. Mozafari |
| 21/12/1400 | Molecular and cellular basis of neurodegenerative diseases | Dr. Asadi |
| 20/1/1401 | Regulation of genes responding to oxidative stress | Dr. Asadi |
| 27/1/1401 | Signal transduction in diseases | Dr. Asadi |
| 10/2/1401 | Molecular basis of atherosclerosis and cardiovascular disease | Dr. Mozafari |
| 17/2/1401 | Lung and related diseases: Molecular and cellular mechanisms | Dr. Haghnazari |
| 24/2/1401 | Bone: Molecular and cellular mechanisms | Dr. Haghnazari |
| 31/2/1401 | Molecular mechanism of gynecological diseases  | Dr. Haghnazari |
| 7/3/1401 | Analysis of gene expression in malignant cancers | Dr. Mozafari |
| 21/3/1401 | Introduction to cell culture, disadvantages and advantages of cell culture, concept of primary cell culture and cell line | Dr. Asadi |
| 28/3/1401 | laboratory equipment and maintenance conditions | Dr. Asadi |
| 4/4/1401 | Disinfection techniques | Dr. Khazaei |
| 11/4/1401 | Safety in cell culture laboratory | Dr. Khazaei |
| 18/4/1401 | Cell culture lab and equipment, defreezing and cell passage (practical class( | Dr. Asadi |
| 25/4/1401 | Sterilization, disinfection techniques and cell evaluation | Dr. Khazaei |