

| Date | Lecture | Note | Topic | Chapter | Material | HW due |
|-------------------------------|---------|---------|---|-------------|---------------------|--------|
| Monday, January 30, 2017 | 1 | | Intro lecture | Intro-1 | IntroLecture | |
| Wednesday, February 1, 2017 | 2 | | Basic mol bio, data types, stochastic processes | Intro-2,3,4 | CentralDogma; board | |
| Monday, February 6, 2017 | 3 | | Genotype & Phenotype | Med-1 | GV,VAD | |
| Wednesday, February 8, 2017 | 4 | TA | Hypothesis testing | Meth-1 | board | |
| Monday, February 13, 2017 | 5 | | Hypothesis testing | Meth-1 | board | |
| Wednesday, February 15, 2017 | 6 | | Tests of genetic association | App-1.1 | board | HW 1A |
| Monday, February 20, 2017 | 7 | | Tests of differential expression and enrichment | App-1.2,1.3 | slides | |
| Wednesday, February 22, 2017 | 8 | | Cancer biology, statistical learning | Med-2 | CancerBiology | HW 1B |
| Monday, February 27, 2017 | 9 | TA | Statistical learning | Meth-2 | board | |
| Wednesday, March 1, 2017 | 10 | | Statistical learning | Meth-2 | board | HW 2 |
| Monday, March 6, 2017 | 11 | | Statistical learning | Meth-2 | board | |
| Wednesday, March 8, 2017 | 12 | | Cancer driver mutations, tumor sub-types | App-2 | slides | |
| Monday, March 13, 2017 | 13 | | Cancer prognosis, tumor site of origin | App-2 | slides | |
| Wednesday, March 15, 2017 | 14 | | Markov chains | Meth-3 | board | |
| Monday, March 20, 2017 | | Break | | | | |
| Wednesday, March 22, 2017 | | Break | | | | |
| Monday, March 27, 2017 | | Midterm | | | | |
| Wednesday, March 29, 2017 | 15 | | Markov chains | Meth-3 | board | |
| Monday, April 3, 2017 | 16 | | Galton-Watson model | Meth-3 | board | |
| Wednesday, April 5, 2017 | 17 | | Tumorigenesis | App-3.1 | board | |
| Monday, April 10, 2017 | 18 | TA | Tumorigenesis | App-3.1 | slides | |
| Wednesday, April 12, 2017 | 19 | TA | Epigenetic variation | App-3.2 | slides | |
| Monday, April 17, 2017 | 20 | TA | Discussion of HW4 | | | |
| Wednesday, April 19, 2017 | 21 | | Graphical models | Meth-4 | board | |
| Monday, April 24, 2017 | 22 | | Graphical models | Meth-4 | board | |
| Wednesday, April 26, 2017 | 23 | | Hidden Markov models | Meth-4 | GA | |
| Monday, May 1, 2017 | 24 | | Loss of heterozygosity | App-4.1 | LOH CNV | |
| Wednesday, May 3, 2017 | 25 | | Signaling networks | App-4.2 | CellSignaling | |
| Tuesday, May 16, 2017, 2-5 PM | | Final | | | | |