**BIO 471 Lecture Schedule**

**Spring 2019 (first half of course)**

*Date Lecture # (Lecturer) Lecture Reading*

Jan. 9 1 (D) Course Overview and Introduction pp. 1-9; 18-22 to Evolution

Jan. 14 2 (D) Darwinian Natural Selection Ch. 3

Jan. 16 3 (D) Evolution of the Earth pp. 431-435

Jan. 21 No class – MLK Day

Jan. 23 4 (D) Origin and Early pp. 436-440

Evolution of Life

Jan. 28 5 (D) Life through Time pp. 440-466

Jan. 30 6 (D) Evolution of Biodiversity Ch. 19

Feb. 4 **Exam 1**

 *(covering lecture material and*

 *reading assignments from Lecture 1*

 *through Lecture 6)*

Feb. 6 7 (D) Coevolution Ch. 13

Feb. 11 8 (D) Darwin’s Birthday Party & pp. 9-17

 Film: “Charles Darwin and the

Tree of Life”

Feb. 13 9 (D) Species pp. 213-227

Feb. 18 10 (D) Speciation pp. 227-243

Feb. 20 11 (D) Conflict and Cooperation Ch. 12

Feb. 25 12 (D) Evolution & Development Ch. 15

Feb. 27 13 (D) Macroevolution Ch. 20

Mar. 4 **Exam 2**

 *(covering lecture material and*

 *reading assignments from Lecture 8*

 *through Lecture 12)*

**BIO 471 Lecture Schedule**

**Spring 2019 (second half of course)**

*Date Lecture # (Lecturer) Lecture Reading*

Mar. 6 14 (J) Mutation and Genetic Variation Ch. 4

Mar. 11, 13 No class: SPRING BREAK

Mar. 18 15 (J) Natural Selection Ch. 5 *Simutext lab: Sickle cell*

Mar. 20 16 (J) Genetic Drift Ch. 7

Mar. 25 17 (J) Molecular Evolution & Clocks *Simutext lab: HIV Clock*

Mar. 27 18 (J) Evolution and Disease pp. 331-334; pp. 589-593

Apr. 1 19 (J) Reconstructing Phylogenies Ch. 16

 *Simutext lab: Flowers and Trees*

Apr. 3 20 (J) Evolution of Hominins Ch. 21

Apr. 8 21 (J) Evolution of *Homo sapiens*

Apr. 10 22 (J) Genetics of Quantitative Traits Ch. 6

Apr. 15 23 (J) Evolution of Quantitative Traits

 *Simutext lab: Finch beaks*

Apr. 17 24 (J) Evolution and Environmental Change

Apr. 22 25 (J) Sex and Sexual Selection Ch. 10

Apr. 24 25 (J) Evolution of Genes and Genomes Ch. 14

Apr. 30, noon **Exam 3** (final exam period)

 *(covering lecture material and*

 *reading assignments from Lecture 14*

 *through Lecture 25)*