**BIO 471 Lecture Schedule**

**Spring 2020 (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 4 (D) Origin and Early pp. 436-440

Evolution of Life

Jan. 23 5 (D) Life through Time pp. 440-466

Jan. 28 6 (D) Evolution of Biodiversity Ch. 19

Jan. 30 **Exam 1**

*(covering lecture material and*

*reading assignments from Lecture 1*

*through Lecture 6)*

Feb. 4 7 (D) Darwin’s Birthday Party & pp. 9-17

Film: “Charles Darwin and the

Tree of Life”

Feb. 6 8 (D) Coevolution Ch. 13

Feb. 11 9 (D) Species pp. 213-227

Feb. 13 10 (D) Speciation pp. 227-243

Feb. 18 11 (D) Conflict and Cooperation Ch. 12

Feb. 20 12 (D) Evolution & Development Ch. 15

Feb. 25 13 (D) Macroevolution Ch. 20

Feb. 27 **Exam 2**

*(covering lecture material and*

*reading assignments from Lecture 7*

*through Lecture 13)*

**BIO 471 Lecture Schedule**

**Spring 2020 (second half of course)**

*Date Lecture # (Lecturer) Lecture Reading*

Mar. 3 14 (J) Mutation and Genetic Variation Ch. 4

Mar. 5 15 (J) Natural Selection Ch. 5

Mar. 10, 12 No class: SPRING BREAK

Mar. 17 16 (J) Genetic Drift Ch. 7

Mar. 19 17 (J) Molecular Evolution & Clocks *Simutext lab: HIV Clock*

Mar. 24 18 (J) Evolution and Disease pp. 331-334; pp. 589-593

Mar. 26 19 (J) Reconstructing Phylogenies Ch. 16

*Simutext lab: Flowers and Trees*

Mar. 31 20 (J) Evolution of Hominins Ch. 21

Apr. 2 21 (J) Evolution of *Homo sapiens*

*Paper assignment due*

Apr. 7 22 (J) Genetics of Quantitative Traits Ch. 6

Apr. 9 23 (J) Evolution of Quantitative Traits

*Simutext lab: Finch beaks*

Apr. 14 24 (J) Extinction and Environmental Change

Apr. 16 25 (J) Conservation and Evolution

Apr. 21 26 (J) Evolution of Genes and Genomes Ch. 14

Apr. 23 27 (J) Summary and Review

Mon, Apr. 27, **Exam 3** (final exam period)

12:00, noon *(covering lecture material and*

*reading assignments from Lecture 14*

*through Lecture 27)*