

# BOT 6935/ZOO 6927: MOLECULAR SYSTEMATICS

FALL, 2020; 2 CREDITS

Place and Time TBD

Doug Soltis and Pam Soltis

<b><u>Week</u></b>	<b><u>Topic</u></b>
Aug. 31	Overview; Chromosome Evolution; Modern Cytogenetics
Sept. 7	Structure, Organization, and Evolution of Genomes
Sept. 14	Genomes, cont.; DNA Sequencing
Sept. 21	DNA Sequencing
Sept. 28	Sequence Alignment
Oct. 5	Overview of Phylogenetic Methods
Oct. 12	Phylogenetic Methods, cont.; Phylogenomics
Oct. 19	Phylogenomics
Oct. 26	Gene Trees, Species Trees, Supertrees; Reticulation
Nov. 2	Dated Trees and Divergence Time Estimation; Online data resources
Nov. 9	Presentations on Genome Publications
Nov. 16	Projects
Nov. 23	Projects
Nov. 30	Projects
Dec. 7	Projects
Dec.12	Final Presentations

## **Contact Information:**

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## **Course Website:**

Via Canvas: [elearning.ufl.edu](http://elearning.ufl.edu)

## **Grades:**

Presentation on Genome Papers: 20%

Class Project & Presentation: 70%

Participation: 10%