

LFSC 101: Course Outline for Fall 2001

Dates	Lecture/Recitation Topics	Lead Scientists
<i>Theoretical Study of Biological Complexity</i>		
Aug. 27 Aug. 29	Introduction to Life Sciences 101 Biological Complexity: An Integrated Study of Biological Life	Thomas Huff, Ph.D. & Joseph Chinnici, Ph.D.
Sept. 3 Sept. 5	LABOR DAY HOLIDAY (University closed) Complexity Theory as it Relates to Biological Processes	Thomas Huff, Ph.D.
Sept. 10 Sept. 12	Inside Life Science: Methods, Machinery, and Manners, Part 1 Inside Life Science: Methods, Machinery, and Manners, Part 2	Francis Macrina, Ph.D.
<i>Empirical Study of Biological Complexity</i>		
Sept. 17 Sept. 19	From the Human Genome to New Medicines, Part 1 From the Human Genome to New Medicines, Part 2	Donald Abraham, Ph.D.
Sept. 24 Sept. 26	Origins and Basics of Techniques Driving the Life Sciences Revolution, the Human Genome Project, and Biotechnology Development	Greg Buck, Ph.D.
Oct. 1 Oct. 3	Biocomplexity of Cells and Tissues: The Immune System, Part 1 Biocomplexity of Cells and Tissues: The Immune System, Part 2	Suzanne Barbour, Ph.D.
Oct. 8 Oct. 10	Biocomplexity in the Nervous System, Part 1 Biocomplexity in the Nervous System, Part 2	John Povlishock, Ph.D.
Oct. 15 Oct. 17	Methods and Goals in Human Behavior Genetics An Introduction to Psychiatric Genetics	Lindon Eaves, Ph.D. Ken Kendler, M.D.
Oct. 22 Oct. 24	Ecology: Studies of Biocomplexity Across Time and Space, Part 1 Ecology: Studies of Biocomplexity Across Time and Space, Part 2	Don Young, Ph.D. Greg Garman, Ph.D.
<i>Applied Study of Biological Complexity</i>		
Oct. 29 Oct. 31	Cardiovascular Medicine: Primordial Cord to Life=s Engine Transplantation: The Gift of Life	Robert Higgins, M.D.
Nov. 5 Nov. 7	Medicine in the Life Sciences Era: Telemedicine I Medicine in the Life Sciences Era: Telemedicine II	Ronald Merrell, M.D.
Nov. 12 Nov. 14	Engineering in the Life Sciences Era, Part 1 Engineering in the Life Sciences Era, Part 2	Anthony Giuseppe-Elie, Ph.D.
Nov. 19 Nov. 21	Genetic Testing: Implications for Health Policy & Health Care Delivery The Radiation Sciences: Illuminating Life from the Inside	Judy Lewis, Ph.D. Terri Fauber, Ed.D.
Nov. 26 Nov. 28	Value of Occupational Therapy as a Member of the Health Care Team The Role of Physical Therapy in the Current Medical Model	Dianne Lowman, Ed.D. Peter Pidcoe, Ph.D.
Dec. 3 Dec. 5	Clinical Laboratory Sciences: Investigating the Signals of Disease Review of Biological Complexity: How it All Fits Together	Barbara Lindsey, M.S. Thomas Huff, Ph. D.
Dec. 10	Final Exam	