

# FIRST YEAR BIOLOGY

<b>Organismal Physiology</b> (Bio 2601A/B)	<b>Cell Biology</b> (Bio 2382A/B)	<b>Ecology</b> (Bio 2483A/B)	<b>Genetics</b> (Bio 2581B)	<b>Economic Botany</b> (Bio 2217A/B)*	<b>Analysis and Interpretation of Biological Data</b> (Bio 2244A/B)
<b>Animal Physiology I</b> (Bio 3601A/B)	<b>Advanced Cell Biology</b> (Bio 3316A/B)	<b>Evolution of Plants</b> (Bio 3404A/B)*	<b>Principles of Human Genetics</b> (Bio 3592A/B)	<b>Biology of the Fungi</b> (Bio 3218F/G)*	<b>Scientific Method in Biology</b> (Bio 2290F/G)
<b>Animal Physiology II</b> (Bio 3602A/B)	<b>Cell Biology Laboratory*</b> (Bio 3326F/G)	<b>Flora and Vegetation of Ontario</b> (Bio 3403A/B)*	<b>Genetic Engineering</b> (Bio 3593A/B)	<b>Field Study in Biology</b> (Bio 3220Z)*	<b>Environmental Biology</b> (Bio 2485A/B)
<b>Ecophysiology of Plants*</b> (Bio 3603A/B)	<b>Developmental Biology</b> (Bio 3338A/B)	<b>Aquatic Ecology</b> (Bio 3415F/G)	<b>DNA: Genome Organization, Mutagenesis and Repair</b> (Bio 3594A/B)	<b>Animal Diversity</b> (Bio 3229F/G)*	<b>Selected Topics</b> (Bio 3222F/G)
<b>Techniques in Physiology and Biochemistry *</b> (Bio 3625F/G)	<b>Molecular Cell Biology of Stress</b> (Bio 3355A/B)	<b>Animal Ecology</b> (Bio 3435F/G) *	<b>Advanced Genetics</b> (Bio 3595A/B)	<b>Animal Behaviour</b> (Bio 3436F/G)*	<b>Selected Topics</b> (Bio 3224F/G)
<b>Advanced Plant Physiology</b> (Bio 3660A/B)	<b>Advanced Developmental Biology*</b> (Bio 4338F/G)	<b>Ecology of Populations</b> (Bio 3440A/B)*	<b>Genomics and Beyond: A Laboratory Course</b> (Bio 3596A/B)*	<b>Patterns in the Diversity of Life</b> (Bio 3484A/B)	<b>Selected Topics in Biology</b> (Bio 4200A/B)
<b>Thermal Physiology</b> (Bio 4602F/G)	<b>Biology of Aging</b> (Bio 4355F/G)	<b>Conservation Biology</b> (Bio 3442F/G)	<b>Regulation of Gene Expression</b> (Bio 3597A/B)	<b>Plant Pathology</b> (Bio 4218A/B)*	<b>Cellular Systems Biology</b> (4260A/B)
<b>Environmental Plant Physiology</b> (Bio 4608F/G)	<b>Independent Study in Biology</b> (Bio 4970F/G)	<b>Molecular Ecology</b> (Bio 3444F/G)	<b>Behavioural Genetics</b> (Bio 3598A/B)	<b>Restoration Biology</b> (Bio 4410F/G)	<b>Biosystematics and Phylogenetics</b> (Bio 4289A/B)*
<b>Physiology of Animal Migration</b> (Bio 4611F/G)	<b>Honors Research Thesis - All Streams</b> (Bio 4999E)	<b>Community Ecology</b> (Bio 3445F/G)*	<b>Genome Biology</b> (4515A/B)	<b>Biodiversity Science</b> (Bio 4412F/G)	<b>Seminar in Biology</b> (Bio 4920F/G)
		<b>Wildlife Ecology and Management</b> (Bio 3446A/B)*	<b>Developmental Genetics</b> (Bio 4540F/G)	<b>Marine Environments</b> (Bio 4223F/G)	<b>Synthetic Biology</b> (4998E)
		<b>Evolutionary Genetics</b> (Bio 3466A/B)*	<b>Human Molecular Genetics</b> (Bio 4560A/B)	<b>Field Studies in Biology</b> (Bio 4257Z)*	
		<b>Chemical Ecology</b> (Bio 3475A/B)	<b>Genes and Genome I</b> (Bio 4561F/G)	<b>Field Studies in Biology</b> (Bio 4258Z)*	
		<b>Ecosystem Health</b> (Bio 4230A/B)	<b>Genes and Genome II</b> (Bio 4562A/B)	<b>Research Hypothesis Testing</b> (Bio 4259F/G)*	
		<b>Ecosystem Ecology*</b> (Bio 4405A/B)	<b>Genome Evolution</b> (4563F/G)		
		<b>Insect Biology*</b> (Bio 4420A/B)	<b>Techniques in Genetics</b> (Bio 4583A/B)*		
		<b>Behavioral Ecology*</b> (Bio 4436F/G)	<b>Seminar in Genetics</b> (Bio 4950F/G)		
		<b>Seminar in Ecology and Evolution</b> (Bio 4944F/G)			

**Physiology Courses**  **Genetics Courses**   
**Cell Biology Courses**  **Organismal Courses**   
**Ecology Courses**  **Other** 

Check Timetable for additions/changes & Selected Topics.  
Check online timetable for term course is offered.

\*Not all courses are offered every year.

\* \* indicates a lab course

- Biocore: 2244a/b, 2290F/G, 2382A/B, 2483A/B, 2581A/B & 2601A/B

**Course Listings**  
**Department of Biology**  
**Western University**