

## Tentative\* Biology Upper Division Course Offerings

	Fall	Winter	Spring	Summer
<b>(REQUIRED) BCH 100</b> Elementary Biochemistry (4)	✓	✓	✓	✓
<b>BCH 110B</b> General Biochemistry (4)		✓	✓	
<b>BIOL/ENTM 100</b> General Entomology (4)	✓		✓	
<b>(REQUIRED) BIOL 102</b> Introductory Genetics (4)	✓	✓	✓	✓
<b>BIOL/BPSC 104</b> Foundations of Plant Biology (4)	✓		✓	
<b>BIOL 105</b> Evolution (4)	✓	✓	✓	✓
<b>BIOL 106</b> Biology of Human Variation (4)			✓	
<b>BIOL 107A</b> Molecular Biology (4)	✓	✓	✓	✓
<b>BIOL 107B</b> Advanced Molecular Biology (3)			✓	
<b>BIOL 108</b> Population Genetics and Genomics (4)	✓			
<b>BIOL 110</b> Biology of Human Problems (4)		✓		
<b>BIOL 111</b> Infectious Disease Epidemiology (4)			✓	
<b>BIOL/BPSC/ENTM 112</b> Systematics (4)		✓		
<b>BIOL 113</b> Advanced Cell Biology (4)		✓	✓	
<b>BIOL 114</b> Advanced Cell Biology (4)		✓	✓	
<b>BIOL 115</b> Human Genetics (4)		✓		
<b>BIOL 116</b> Ecology & Conversation Biology (4)	✓	✓		✓
<b>BIOL 118</b> Lab in Molecular Phylogenetics & Evolution (4)			✓	
<b>BIOL 119</b> Intro Genomics & Bioinformatics (4)	✓	✓		
<b>BIOL/MCBL/PLPA 120</b> Intro to Plant Pathology (3)	✓			
<b>BIOL/MCBL/PLPA 120L</b> Intro to Plant Pathology Lab (1)	✓			
<b>BIOL/MCBL 121</b> Intro Microbiology (4)	✓	✓	✓	
<b>BIOL/MCBL 121L</b> Microbiology Lab (3)		✓	✓	
<b>BIOL/MCBL 122</b> Food Microbiology (4)			✓	
<b>BIOL/MCBL/PLPA 123</b> Intro Comparative Virology (4)			✓	
<b>BIOL/MCBL 124</b> Medical Microbiology (4)		✓		
<b>BIOL/ENTM 127</b> Insect Ecology (4)		✓		
<b>BIOL/CBNS 128</b> Immunology (3)	✓	✓		✓
<b>BIOL/BPSC 132</b> Plant Anatomy (4)	✓	✓		
<b>BIOL/PLPA 134</b> Intro Mycology (3)	✓			
<b>BIOL/PLPA 134L</b> In Mycology Lab (1)	✓			
<b>BIOL/BPSC 138</b> Plant Developmental Morphology (4)		✓	✓	
<b>BIOL/ENTM/MCBL 139</b> The Evolution of Conflict and Cooperation: Cheaters and Altruists (4)	✓			
<b>BIOL/BPSC 143</b> Plant Physiology (4)		✓		
<b>BIOL/BPSC 148</b> Quantitative Genetics (4)		✓		
<b>BIOL 151</b> Invertebrate Zoology (5)			✓	
<b>BIOL/GEO 152</b> Principles of Invertebrate Paleobiology and Paleocology (4)	✓			
<b>BIOL/BCH/BPSC 153</b> Plant Genomics and Biotechnology Lab (4)	✓		✓	
<b>BIOL/ENTM 154</b> Forensic Entomology (4)			✓	
<b>BIOL/BPSC 155</b> Chromosomes (4)			✓	
<b>BIOL 157</b> Parasitology (4)	✓			
<b>BIOL 158</b> Medical Molecular Parasitology (4)		✓		
<b>BIOL/NEM 159</b> Biology of Nematodes (3)		✓		
<b>BIOL 160</b> Animal Behavior (4)			✓	
<b>BIOL 160L</b> Lab in Animal Behavior (1)			✓	
<b>BIOL 161A</b> Functional Anatomy of Vertebrates(5)	✓			

<b>BIOL 161B</b> Functional Anatomy of Vertebrates (5)		✓		
<b>BIOL/ENTM 162</b> Insect Behavior (4)	✓			
<b>BIOL 163</b> Evolution Ecology of Terrestrial Vertebrates (5)	✓			
<b>BIOL/BPSC 165</b> Restoration Ecology (4)		✓		
<b>BIOL 166</b> Global Change Biology (4)	✓			✓
<b>BIOL 168</b> Developmental Biology (4)	✓			
<b>BIOL 169</b> Ornithology (4)		✓		
<b>**BIOL 170</b> Herpetology (5)				
<b>BIOL 171</b> Human Anatomy & Physiology (4)			✓	
<b>BIOL 171L</b> Human Anatomy & Physiology Lab (1)			✓	
<b>**BIOL 172</b> Biology of Fishes (4)				
<b>BIOL/ENTM 173</b> Insect Physiology (4)			✓	
<b>BIOL 174</b> Ecological & Evolutionary Physiology(4)		✓		
<b>BIOL 175</b> Comparative Animal Physiology (4)		✓		
<b>BIOL 176</b> Comparative Biomechanics (4)		✓	✓	
<b>BIOL 178</b> Hormones & Behavior (4)		✓		✓
<b>BIOL 191</b> Foundations of Ecology (2-4)		✓		

*The following Neuroscience courses can also be used to satisfy the Upper Divisions units for the Biology Major:*

- CBNS 101** Fundamentals of Cell Biology (4)
- CBNS 106** Introduction to Neuroscience (4)
- CBNS 108** Introduction to Developmental Biology (4)
- CBNS 150** Cancer Biology (4)
- CBNS 165** Stem Cell Biology (4)
- CBNS 169** Human Embryology (4)

*For a tentative schedule of when these Neuroscience courses are offered during the academic year, [click here](#)*

*\*Schedule subject to change.*

*\*\* Please check UCR Schedule of Classes for course availability*