Course*	Program learning outcomes					Program learning outcomes
	1	2	3	4	5	
BIOL 171/L	I			I	I	1. Students will be able to explain
BIOL 275/L	R	I	I	R	R	biological processes from molecules to
BIOL 375/L	М	R	R	М	M	ecosystems in an evolutionary context,
BOT 100		I		I	1	including being able to use examples
BOT 101/L	I	I	I	I	1	from Hawaii.
BOT 200			I	I	1	
BOT 201/L	R	R			R	2. Students will be able to demonstrate
BOT 220			R		R	scientific literacy by critically evaluating
BOT 300		R		R	R	scientific evidence, identifying gaps in
BOT 301/L	R	R	R	R	R	knowledge, and applying strong evidence-
BOT 305	R	R				based biological arguments to real-world problems.
BOT 310			R	R	R	problems.
BOT 350	R	R			R	3. Students will be able to apply the
BOT 400		MA		MA	MA	scientific method to generate new
BOT 420	MA	М	R	R	MA	hypotheses, formulate experimental
BOT 430/L	М	MA		R	MA	approaches and outline potential
BOT 440		М	М	R	M	outcomes, applying appropriate logical
BOT 442		R		М	M	and quantitative methods.
BOT 444	R	R	М	М	M	
BOT 446	R	R	R	М	M	4. Students will work individually and in
BOT 450	R				M	teams in an ethical manner, and
BOT 454	R	R	MA	М	M	demonstrate respect for diversity of
BOT 456	R	R	R	R	R	viewpoints.
BOT 461	R		MA	R	MA	
BOT 462	MA	М				5. Students will, in oral and written forms,
BOT 480	R	MA		М	M	be able to communicate biological
BOT 499	М	М	MA	М	M	information clearly and professionally.
						I = introduced
						R = reinforced
						M = mastered
						MA = mastered & assessed
						*Courses in <b>bold</b> are required