

**Inter-American University of Puerto Rico
Barranquitas Campus
PhD in International Biotechnology**

Name: _____ ID #: _____ - _____ - _____ Advisory Signature: _____

Semester I	TO	IP	Cr	Semester II	TO	IP	Cr
1. BIOT 7110 Molecular Biology and Epigenetics	—	—	3	1. BIOT 7210 Skill in scientific communication	—	—	3
2. BIOT 7120 Proteomics	—	—	3	2. BIOT 7220 Laws, regulations and international standards in biotechnology	—	—	3
3. BIOT 7130 s Experimental Designs and Biostatistics	—	—	<u>3</u>	3. BIOT 7230 Agricultural biotechnology	—	—	3
4. BIOT 7140 Bioinformatics			12	4. BIOT 7240 Development and gene expression in animals	—	—	<u>3</u> 12
Semester III	TO	IP	Cr	Semester IV	TO	IP	Cr
1. BIOT 7310 Global Problems in Biotechnology	—	—	3	1. BIOT 7330 Rotation of Laboratories in Biotechnology	—	—	3
2. BIOT 7320 Bioethics and International Regulatory Problems	—	—	3	2. BIOT 8917 International Practices	—	—	<u>3</u>
3. BIOT _____ Prescribed Distributives	—	—	<u>3</u>	3. BIOT 8911 Research Method I			9
			9				

Semester V	TO	IP	Cr	Semester VI	TO	IP	Cr
1. BIOT ____ Prescribed Distributives	—	—	3	1. BIOT 8913 Research Method III	—	—	<u>3</u>
2. BIOT ____ Prescribed Distributives	—	—	3				3
3. BIOT 8912 Research Method II	—	—	<u>3</u>				
			9				
Semester VII	TO	IP	Cr	Semester VIII	TO	IP	Cr
1. BIOT 8991 Doctoral Dissertation in Biotechnology I	—	—	<u>3</u>	1. BIOT 8992 Doctoral Dissertation in Biotechnology II	—	—	<u>3</u>
			3				3

MEDULAR REQUIREMENTS	24
OPERATIONAL REQUIREMENTS	15
SPECIALTY REQUIREMENTS	12
REQUIREMENTS PRESCRIBED DISTRIBUTIVES	<u>9</u>
Total	60 Credits

Prescribed Distributive Requirements - 9 Credits.

The student must select 3 courses of this component :

BIOT 7340	Metabolic engineering	3
BIOT 7350	Industrial biotechnology	3
BIOT 7360	Plant tissue and cell culture	3
BIOT 7370	Food security biotechnology	3
BIOT 7380	Biotechnology of crop improvement	3
BIOT 7390	Marine biotechnology	3
BIOT 797_	Special topics in biotechnology	3