

## Program Curriculum

**Table 1. Compensatory Courses**

No.	Title of Course	Theoretical (No. of credits)	Practical (No. of credits)	Total
1	Medical information systems	0.5	0.5	1
2	Advanced leishmaniasis	2	1	3
3	Advanced malariology	2	1	3
4	Molecular entomology	1	1	2
5	Biochemistry of pesticides	2	0	2
6	Epidemiology of vector-borne diseases	2	0	2
7	Arbovirology	2	0	2
	<b>Total</b>	<b>11.5</b>	<b>3.5</b>	<b>15</b>

**Table 2. Core Courses**

No.	Title of Course	Theoretical (No. of credits)	Practical (No. of credits)	Total	Prerequisite or Concurrent Courses
8	Advanced toxicology and biochemistry of pesticides	2	1	3	-
9	Insect pathology	2	0	2	-
10	Epidemiology of tropical and zoonotic diseases	2	0	2	-
11	Surveillance and management of arthropod-borne diseases	2	0	2	10
12	New methods and integrated vector control	2	0	2	8
13	Research project management	1	0.5	0.5	-
14	Seminar 1	0	1	1	-
15	Seminar 2	0	1	1	-
16	Thesis	0	20	20	-

**Table 3. Non-Core Courses**

No.	Title of Course	Theoretical (No. of credits)	Practical (No. of credits)	Total	Prerequisite or Concurrent Courses
17	Mathematical epidemiology of vector-borne diseases	2	0	2	10
18	Medical helminthology	2	1	1	-
19	Principles of microscopy and photomicrography	2	1	1	-
20	Insect biochemistry	2	1	1	-
21	New methods of instrumental analysis	2	1	1	-
22	Aquatic insects	2	1	1	-
23	Ecotoxicology	2	0	2	8
24	Health system management in Iran	1	0	1	-
25	Management and control of urban pests	2	0	2	-
26	Care and use of laboratory animals	1	0.5	0.5	-
27	Quantitative ecology of insects	2	0	2	-