

TUMS International Educational Affairs

Table A: Compensatory courses

Code	Course	Credit			Hour			Prerequisite
		Theoretical	Practical	Total	Theoretical	Practical	Total	
01	Medical information systems	0.5	0.5	1	9	17	26	-
02	History, policy making, global status and socio-legal fundamentals of substance abuse	1	-	1	17	-	17	-
03	Advanced biostatistics and Research Methods	2.5	0.5	3	43	17	60	-
04	Health economics	2	-	2	34	-	34	-
05	Principles of psychiatry	3	-	3	51	-	51	-
06	Social pathology of substance abuse	2	-	2	34	-	34	-
07	Mental health	2	-	2	34	-	34	-
08	Ethics and professional integrity in medical research	1	-	1	17	-	17	-
09	Fundamentals of substance abuse prevention	1	-	1	17	-	17	-
10	Psychiatric disorders (psychosis; personality, mood and anxiety disorders)	2	-	2	34	-	34	-
11	Neuroanatomy	1	1	2	17	34	51	-
Total					20			

- According to the department schedule and by the approval of post graduates education council, students are due to take a maximum of 16 units of the aforementioned courses (table A) in addition to the Ph. D. program units.

TUMS International Educational Affairs

Table B: Core courses

Code	Course	Credit			Hour			Prerequisite code
		Theoretical	Practical	Total	Theoretical	Practical	Total	
12	Cellular and molecular neurobiology	2	-	2	34	-	34	-
13	Neuropsychopharmacology	2	-	2	34	-	34	-
14	Psychiatry of substance abuse	2	1	3	34	34	68	-
15	Non-pharmacologic approaches to substance abuse treatment	1	1	2	17	34	51	-
16	Fundamentals of cognitivebehavioral therapy for substance abuse	2	-	2	34	-	34	-
17	Research methods in basic neuroscience	1.5	1.5	3	26	51	87	-
18	Neuropsychology of substance abuse	1	1	2	17	34	51	-
19	Cognitive neuropsychology	1	1	2	17	34	51	-
20	Alternative treatments	2	-	2	34	-	34	-
21	Thesis	-	-	20	-	-	-	-
Total					40			

TUMS International Educational Affairs

Table C: Elective courses

Code	Course	Credit			Hour			Prerequisite code
		Theoretical	Practical	Total	Theoretical	Practical	Total	
22	Criminology	2	-	2	34	-	34	-
23	Health systems management	2	-	2	34	-	34	-
24	Economics of addiction	1	-	1	17	-	17	-
25	Addiction and infectious disease	2	-	2	34	-	34	-
26	Information, education and communication and (IEC)	1	-	1	17	-	17	-
27	Neuroendocrinology	2	-	2	34	-	34	-
28	Neurogenetics	2	-	2	34	-	34	-
29	Neurohistochemistry	1	1	2	17	34	51	-
30	Cognitive neuroscience	2	-	2	34	-	31	-
Total		16						

- After supervising professor's consent and approval of post graduate education council, students are due to take 6 units of the aforementioned courses that are relevant to the theme of their Ph.D. thesis.