

**Appendix- B2:**

**REVIEW OF CURRICULUM:  
LIST OF OBLIGATORY AND OPTIONAL SUBJECTS OF THE IZIIS MASTER  
STUDIES IN EARTHQUAKE ENGINEERING (Programme-2)**

**Tab 2a. IZIIS POST-GRADUATE STUDIES IN EARTHQUAKE ENGINEERING (Programme-2)**

**Tab 2.a1. SEMESTER I: Obligatory subjects**

No.	No. of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
EE-101	30	Dynamics of Structures	6	
EE-102	30	Analysis of Structures	6	
EE-103	30	Engineering Seismology	6	
EE-104	30	Dynamics of Soils and Foundations	6	
<b>Total</b>	<b>120</b>		<b>24</b>	

**Tab 2.a2. SEMESTER I: Optional subjects (to be selected one (1) from the list)**

No.	No. of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
EE-105	30	Experimental Mechanics	6	
EE-106	30	Engineering Materials	6	
EE-107	30	Finite Element Analysis	6	
EE-108	30	Introduction to MATLAB and its application in engineering analyses	6	
<b>Total</b>	<b>120</b>		<b>24</b>	

**Tab 2b. IZIIS POSTGRADUATE STUDIES IN EARTHQUAKE ENGINEERING (Programme-2)**

**Tab 2.b1. SEMESTER II: Obligatory subjects**

No.	No. of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
EE-201	30	Aseismic Design of RC, Steel and Masonry Structures	6	
EE-202	30	Seismic Risk and Vulnerability Analysis	6	
EE-203	30	Project Planning and Management	6	
<b>Total</b>	<b>90</b>		<b>18</b>	

**Tab 2.b2. SEMESTER II: Optional subjects (to be selected one (1) from the list)**

No.	No. of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
EE-204	30	Earthquake Resistance of RC Buildings	6	
EE-205	30	Analysis of Seismic Resistance of Steel, Masonry and Timber Structures	6	
EE-206	30	Planning and Design of Transportation Systems and Other Infrastructure Systems in Seismically Prone Regions	6	
EE-207	30	Aseismic Design of Dams	6	
EE-208	30	Repair and Strengthening of Structures	6	
EE-209	30	Seismic Analysis and Design of Special Structures	6	
EE-210	30	Design with Application of EUROCODE 8	6	
<b>Total</b>	<b>210</b>		<b>42</b>	

**Tab 2c. IZIIS POST-GRADUATE STUDIES IN EARTHQUAKE ENGINEERING  
(Programme-2)**

**Tab 2.c1. SEMESTER III: Preparation and public defence of master thesis**

<b>No.</b>	<b>Time duration (months)</b>	<b>Preparation phases</b>	<b>Credits</b>	<b>Activity</b>
MT-301	0.5	Selection of topic		The candidate consults the mentor
MT-302	5	Elaboration of the master thesis		The candidate consults the mentor
MT-303	0.5	Public defense		The candidate defends the master thesis in public
<b>Total</b>	<b>6 months</b>		<b>30</b>	