

**Appendix - B1:**

**REVIEW OF CURRICULUM:  
LIST OF OBLIGATORY AND OPTIONAL SUBJECTS OF THE IZIIS' MASTER  
STUDIES IN  
STRUCTURAL ENGINEERING AND SEISMIC DESIGN (Programme-1)**

**Tab 1a. IZIIS POST-GRADUATE STUDIES IN STRUCTURAL ENGINEERING AND SEISMIC DESIGN (Programme-1)**

**Tab. 1.a1. SEMESTER I: Obligatory subjects**

No.	No. of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
SE&SD-101	30	Dynamics of Structures	6	
SE&SD-102	30	Analysis of Structures	6	
SE&SD-103	30	Building Materials	6	
SE&SD-104	30	General Principles of Design of Structures	6	
<b>Total</b>	<b>120</b>		<b>24</b>	

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

No.	Number of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
SE&SD-105	30	Experimental Mechanics	6	
SE&SD-106	30	Geotechnical Engineering	6	
SE&SD-107	30	Fundamentals of Earthquake Engineering and Engineering Seismology	6	
SE&SD-108	30	Introduction to MATLAB and its application in engineering analyses	6	
<b>Total</b>	<b>120</b>		<b>24</b>	

**Tab 1b. IZIIS POST-GRADUATE STUDIES IN STRUCTURAL ENGINEERING AND SEISMIC DESIGN (Programme-1)**

**Tab 1.b1. SEMESTER II: Obligatory subjects**

No.	Number of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited)
SE&SD-201	30	Reinforced Concrete Structures	6	
SE&SD-202	30	Application of FEM in Structural Analysis	6	
SE&SD-203	30	Project Planning and Management	6	
<b>Total</b>	<b>90</b>		<b>18</b>	

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

No.	Number of lecture hours	Subjects	Credits	Lecturers (from IZIIS and invited )
SE&SD-204	30	Steel, Masonry and Timber Structures	6	
SE&SD-205	30	Prestressed and Prefabricated Concrete Structures	6	
SE&SD-206	30	Bridges, Transportation and Infrastructure Systems	6	
SE&SD-207	30	Dams and Special Structures	6	
SE&SD-208	30	Management of Urban Catastrophes and Strategic Planning	6	
SE&SD-209	30	Design by Application of EUROCODE8	6	
<b>Total</b>	<b>180</b>		<b>36</b>	

**Tab 1c. IZIIS POST-GRADUATE STUDIES IN STRUCTURAL ENGINEERING AND SEISMIC DESIGN (Programme-1)**

**Tab 1.c1. SEMESTER III: Preparation and public defense 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 master thesis		The candidate consults the mentor
MT-303	0.5	Public defense		The candidate defends the thesis in public
<b>Total</b>	<b>6 months</b>		<b>30</b>	